ORDER NO. VSD9012M210
D1

Service Manual

Panasonic S-VHS Hi-Fi
Professional/Industrial Video

Editing Video Cassette Recorder
AG-7750-P -K

Editing Video Cassette Player
AG-7650-P -K

Time Code Generator/Reader
AG-F700-P

- Sec. 1 *Operating Instructions*
- Sec. 2 *Technical Descriptions*
- Sec. 3 *Disassembly Procedures*
- Sec. 4 *Maintenance*
- Sec. 5 *Mechanical Adjustment*
- Sec. 6 *Electrical Adjustment*
- Sec. 7 *Block Diagrams*
- Sec. 8 *Schematic Diagram & Circuit Board Diagrams*
- Sec. 9 *Exploded Views & Replacement Parts List*
- Sec. 10 *AG-F700*

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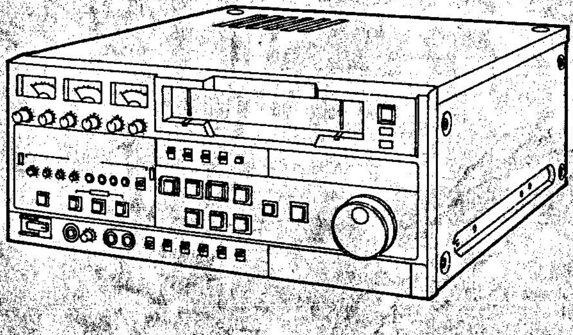
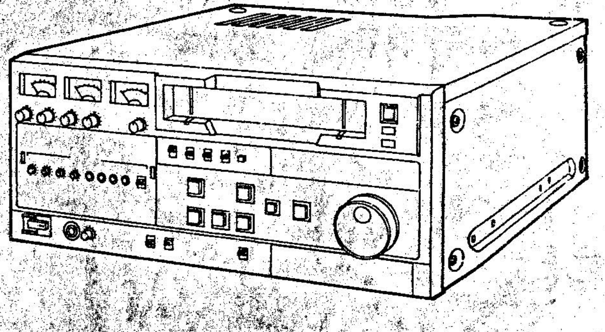


AG-7750



AG-7650

The detail circuit description for this model, please refer to the Supplement Service Manual (Order No. VSD9105D202).

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SPECIFICATIONS AG-7750 [AG-7650]

ITEM	SPECIFICATION
Power	Source: AC 120V, 50-60Hz Consumption: Approx. 100W [Approx. 80W] Approx. 105W [Approx. 85W] (with AG-A750)
Television Format	EIA Standard (525 lines, 60 fields) NTSC color signal
Tape Speed	1-15/16 i.p.s. (33.35 mm/s) (Normal)
Tape Format	SVHS tape, VHS tape
FF/REW Time	less than 2min. with NV-ST120
Video	Head: 2 rotary heads, helical scanning system 58μm (NOR) × 2, 70μm (SS) × 2 2 flying (rotary) erase heads 56μm × 2
	luminance: FM azimuth recording
	Color signal: Converted subcarrier phase shift recording
	Input level: VIDEO IN (BNC): (AG-7750 only) 1.0Vp-p 75Ω unbalanced S-VIDEO IN (4P): (AG-7750 only) Y; 1.0Vp-p 75Ω unbalanced C; 0.286Vp-p 75Ω unbalanced DUB IN (7P): (AG-7750 only) Chroma level; 0.9Vp-p (syan level), 1kΩ unbalanced Luminance level; 1.0Vp-p 1kΩ unbalanced REF IN (BNC): 1.0Vp-p 75Ω unbalanced
	Output level: VIDEO OUT (BNC): 1.0Vp-p 75Ω unbalanced S-VIDEO OUT (4P): Y; 1.0Vp-p 75Ω unbalanced C; 0.286Vp-p 75Ω unbalanced DUB OUT (7P): Chroma level; 0.9Vp-p 1kΩ unbalanced Luminance level; 1.0Vp-p 1kΩ unbalanced VIDEO MONITOR OUT (BNC): 1.0Vp-p 75Ω unbalanced
	Signal-to-Noise Ratio (VHS): B/W; 47dB Color; 46dB
	Horizontal Resolution: B/W; more than 400 lines (S-VHS) 300 lines (VHS) Color; more than 400 lines (S-VHS) 240 lines (VHS)

ITEM	SPECIFICATION
Audio	Head: Normal Audio/Control: 1 stationary head Hi-Fi Audio: 2 rotary heads; 42μm × 2 Erase: 1 full track erase 1 Audio track erase
	Track: 2 tracks (Normal-stereo), 2 channels (Hi-Fi sound stereo)
	Input level: LINE IN Hi-Fi (XLR): +4/0/−6 dBs, 600Ω balanced (AG-7750 only) LINE IN NORM/Hi-Fi (XLR): +4/0/−6 dBs, 600Ω balanced (AG-7750 only) MIC IN (1/4" phono × 2): −60 dBv, 4.7kΩ unbalanced (AG-7750 only)
	Output level: LINE OUT Hi-Fi (XLR): +4/0/−6dBs, 50Ω output impedance LINE OUT NORM/Hi-Fi (XLR): +4/0/−6dBs, 50Ω output impedance HEAD PHONE (1/4"): −60dBv~−20dbv, 8Ω impedance AUDIO MONITOR OUT (PHONO): 0dBv, 600Ω unbalanced
	Frequency Response: Normal: 50Hz~12kHz Hi-Fi: 20Hz~20kHz
	Hi-Fi Dynamic Range: more than 90dB
	Signal-to Noise Ratio: better than 48dB (Normal) (with Dolby NR switch ON)
Time Code	Input level (BNC): 1.0Vp-p, 10kΩ unbalanced (AG-7750) Output level (BNC): 2.4Vp-p, low impedance, unbalanced
Operating Condition	Temperature; 41°F~104°F (5°C~40°C) Humidity; 35%~80%
Dimensions	17"(W) × 7"(H) × 18-1/8"(D) 430mm(W) × 176mm(H) × 460mm(D)
Weight	Approx. 37.4lbs. (Approx. 17kg)
Standard Accessories	S-VIDEO cable (4P), 1.5m (VJA0579) Power cord (VJA0472) TBC protective cover (VGF0381)
Optional Accessories	S-VIDEO cable (4P) (AG-C71 (5m)) (VW-CV2 (2m)) (VW-CV1 (1.5m)) Editing controller (AG-A800) (AG-A750) Remote search controller (NV-A505) Remote controller (AG-A600) Rack-mounting adapter (AG-M750) Dubbing cable (7P) (AG-C65) Time code generator/reader board (AG-F700)

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

INTRODUCTION

This Service Manual contains all the technical information which will allow service personnel to understand and service the Panasonic SVHS editing video cassette recorder model AG-7750-P/-K, editing video cassette player model AG-7650-P/-K and time code generator/reader model AG-F700-P.
These models are video cassette recorder for editing applications which was developed for applications in industry, educational establishments, studios and CATV transmissions.
By the use of SVHS system, a sharp picture quality with high resolution is obtained, and advanced editing by easy operation is realized by the introduction of highly dependable mechanisms.

Just slightly ahead of our time...Panasonic

CONTENTS

SPECIFICATIONS .... Cover

SAFETY PRECAUTIONS 2

SECTION 1 OPERATING INSTRUCTIONS 1-1
- 1-1. Control and Their Functions 1-2
- 1-2. Switch Settings 1-6
- 1-3. TBC Adjustments 1-6
- 1-4. Editing Operations 1-8
- 1-5. Dial Menu Functions 1-11
- 1-6. Time Code 1-20
- 1-7. Connections 1-24
- 1-8. System Upgrading 1-25

SECTION 2 TECHNICAL DISCRIPTIONS 2-1
- 2-1. Description of Functions 2-2
- 2-2. Error Displays 2-8
- 2-3. Special Displays 2-9
- 2-4. Servo Reference 2-10
- 2-5. Connector Signals 2-11
- 2-6. Dimensions 2-12

SECTION 3 DISASSEMBLY PROCEDURES 3-1
- 3-1. Disassembly Flow Chart 3-2
- 3-2. Detailed Disassembly Method 3-3
- 3-3. Screws 3-9

SECTION 4 MAINTENANCE 4-1
- 4-1. Regular Maintenance 4-2
- 4-2. Maintenance Chart 4-2
- 4-3. Parts Location 4-3
- 4-4. Maintenance Procedures 4-4

SECTION 5 MECHANICAL ADJUSTMENTS 5-1
- 5-1. Servicing Fixtures & Tools 5-2
- 5-2. Tape Interchangeability Adjustment Procedures 5-3
- 5-3. Other Mechanical Adjustment Procedures 5-11
- 5-4. Assembly and Adjustment Procedures of Mechanism 5-16

SECTION 6 ELECTRICAL ADJUSTMENTS 6-1
- 6-1. Test & Service Equipment 6-4
- 6-2. How To Use of the Extender Board 6-4
- 6-3. Location of Test Point and Controls 6-58
- 6-4. Circuit Board Layout 6-59

SECTION 7 BLOCK DIAGRAMS 7-1

SECTION 8 SCHEMATIC DIAGRAMS AND CIRCUIT BOARDS 8-1

SECTION 9 EXPLODED VIEWS AND REPLACE MENT PARTS LISTS 9-1
- 9-1. Servicing Fixtures & Tools List 9-1
- 9-2. Exploded Views 9-2
- 9-3. Mechanical Replacement Parts List 9-3
- 9-4. Electrical Replacement Parts List 9-16

SECTION 10 TIME CODE GENERATOR/READER AG-F700 10-1
- 10-1. Operating Instructions 10-2
- 10-2. Block Diagram 10-3
- 10-3. Circuit Board 10-4
- 10-4. Schematic Diagram 10-5
- 10-5. Exploded Views 10-6
- 10-6. Replacement Parts List 10-6

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads connectors, control shafts,etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1M ohm and 5.2M ohm.
   When the exposed metal does not have a return path to the chassis, the reading must be ∞.

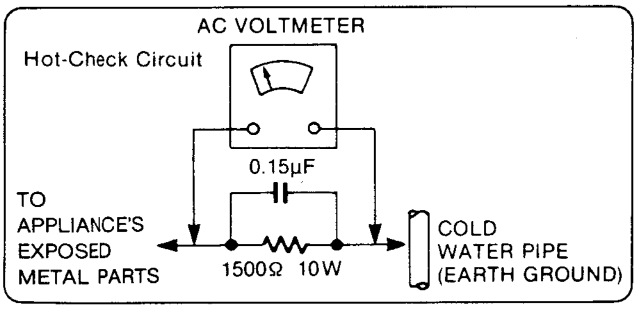

AC VOLTMETER
Hot-Check Circuit
0.15μF
TO APPLIANCE'S EXPOSED METAL PARTS
1500Ω 10W
COLD WATER PIPE (EARTH GROUND)

Figure 1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5k ohm, 10 watts resistor, in parallel with a 0.15uF capacitor, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ELECTROSTATICALLY SENSITIVE(ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are calledElectrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.

4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.

5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.

6. Do not remove a replacement ES device from its protective package untilimmediately before you are ready to install it. (Most replacementES devices are packaged with leads eletcrically shorted together by conductive foam, aluminum foil or comparable conductive material).

7. Immediately before removing the protective material from the leads of replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   CAUTION : Be sure no power is applied to the chassis or circuit, and observe all otner asfety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

Section 1

OPERATING INSTRUCTIONS

CONTENTS

1-1. Control and Their Functions **1-2**
- 1-1-1. Front Panel Parts 1-2
- 1-1-2. Counter Display Parts 1-3
- 1-1-3. Rear Panel Parts 1-4

1-2. Switch Settings **1-5**
- 1-2-1. Setting The Video Switches 1-5

1-3. TBC Adjustments **1-6**
- 1-3-1. TBC Adjustments 1-6

1-4. Editing Operations (AG-7750 only) **1-8**
- 1-4-1. Before Proceeding With Editing 1-8
- 1-4-2. Selecting The Editing Mode 1-8
- 1-4-3. Executing Manual Editing 1-9
- 1-4-4. AUTO CUT OUT Editing (simple automatic editing) 1-9
- 1-4-5. Split Editing 1-10
- 1-4-6. Precautions For Editing 1-10

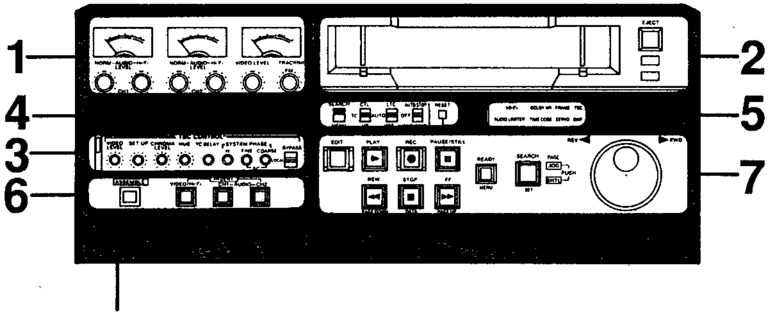
1-5. Dial Menu Functions **1-11**
- 1-5-1. Using The Dial Menu Functions 1-11
- 1-5-2. Set-up Menu Screen 1-13

1-6. Time Code **1-20**
- 1-6-1. Time Code/User's Bit 1-20
- 1-6-2. Setting The Time Code Switches (AG-7750 only) 1-20
- 1-6-3. Recording The Time Code/User's Bit (AG-7750 only) 1-21
- 1-6-4. Playing Back The Time Code/User's Bit 1-22
- 1-6-5. Superimpose Screen 1-22

1-7. Connections **1-24**
- 1-7-1. Connections For Basic System 1-24
- 1-7-2. Dubbing Connections 1-24

1-8. System Upgrading **1-25**
- 1-8-1. System Using 9P Editing Controler 1-25
- 1-8-2. Systems Using Remote Search Controler 1-26
- 1-8-3. System Using 34P Editing Controler 1-26

1-1-1. Front Panel Parts



POWER switch

1. Level control area

Audio (CH1) level meter:	Displays CH1 audio level.
Audio (CH2) level meter:	Displays CH2 audio level or time code.
Video level/tracking meter:	Displays video level during recording displays tracking during playback.
AUDIO (CH1) NORMAL LEVEL control:	Adjusts recording (playback: AG-7650) level for normal audio CH1.
AUDIO (CH1) Hi-Fi LEVEL control:	Adjusts recording (playback: AG-7650) level for hi-fi audio CH1.
AUDIO (CH2) NORMAL LEVEL control:	Adjusts recording (playback: AG-7650) level for normal audio CH2.
AUDIO (CH2) Hi-Fi LEVEL control:	Adjusts recording (playback: AG-7650) level for hi-fi audio CH2.
VIDEO LEVEL control:	Adjusts video input level (AG-7750 only).
TRACKING control:	Adjusts tracking.

2. Cassette-related parts

Cassette insertion slot:	For inserting cassettes.
EJECT button:	For ejecting a cassette.
Cassette "in" lamp:	Lights when a cassette is inserted.
S-VHS lamp:	Lights in S-VHS mode.

3. TBC control area

VIDEO LEVEL control:	Adjusts the video level.
SET UP control:	Adjusts the set-up level.
CHROMA LEVEL control:	Adjusts the chroma level.
HUE control:	Adjusts the hue.
YC DELAY control:	Adjusts the YC timing.
SYSTEM H PHASE control:	Adjusts the system H phase.
SYSTEM SC PHASE control:	Adjust the system SC phase.
BYPASS switch:	Selects the TBC operation mode.

4. Function setting area

SEARCH dial mode switch:	Selects the search dial operation mode.
Display switch:	Selects the display mode.
Time code mode switch:	Selects the time code readout mode.
MEMORY switch:	Stores the tape position.
RESET button:	Resets the CTL counter.

5. Function display lamp area

Hi-Fi lamp:	Lights when Hi-Fi sound is played back (or recorded: AG-7750 only).
DOLBY* NR lamp:	Lights when Dolby NR system is used.
SERVO lamp:	Lights in servo lock mode.
TBC lamp:	Lights when TBC is used.
AUDIO LIMITER lamp:	Lights when volume limiter circuit is used (AG-7750 only).
TIME CODE lamp:	Lights when normal audio CH2 track is used as the time code track.
FRAME lamp:	Lights in framing servo lock mode.
DNR lamp:	Lights when the digital noise reducer is used.

6. Editing mode setting area (AG-7750 only)

ASSEMBLE button:	Sets assemble editing.
INSERT VIDEO/Hi-Fi button:	For insert editing of video signals and hi-fi signals.
INSERT AUDIO (CH1) button:	For insert editing of normal audio CH1.
INSERT AUDIO (CH2) button:	For insert editing of normal audio CH2 (or LTC).

7. Basic operation area

EDIT button:	Starts editing when used together with PLAY button (AG-7750 only).
PLAY button:	Starts playback.
REC button:	Starts recording when used together with PLAY button (AG-7750 only).
PAUSE/STILL button:	Establishes still-picture mode during playback (and pause mode during recording: AG-7750 only).
REW (PAGE DOWN) button:	Rewinds the tape (page 18); scrolls down page in MENU mode.
STOP (DATA) button:	Stops all operations (page 18); sets data in MENU mode.
FF (PAGE UP) button:	Fast forwards the tape (page 18); scrolls up page in MENU mode.
READY (MENU) button:	Moves operation to, and releases it from, tape protection mode (READY OFF) displays menu in MENU mode.
SEARCH (SET) button:	Executes and releases search (page 19); sets menu in MENU mode.
SEARCH dial:	Adjusts search speed (page 19); selects menu in MENU mode.

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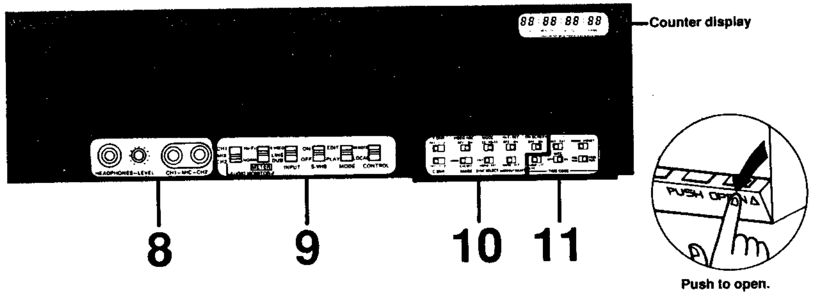
*Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

**"DOLBY" and the double-D symbol □□ are trademarks of Dolby Laboratories Licensing Corporation.



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8. Headphone/microphone area

HEADPHONE jack:	Connects 1/4" stereo headphones.
HEADPHONE LEVEL control:	Adjusts headphones volume.
MIC jack (CH1/CH2):	Connects 1/4" external microphone (AG-7750 only).

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9. Function setting area

AUDIO MONITOR METER switches:	Selects type of sound and channel to be monitored.
INPUT switch:	Selects video input signal (AG-7750 only).
S-VHS switch:	Sets S-VHS system recording (AG-7750 only).
MODE switch:	Selects mode during editing (AG-7750 only).
CONTROL switch:	Selects remote or local mode.

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10. Inside pocket function setting area

Y-DNR switch:	Activates DNR for Y signal.
C-DNR switch:	Activates DNR for C signal.
VIDEO AGC switch:	Sets automatic adjustment function for video level ON or OFF (AG-7750 only).
IMAGE switch:	Selects video mode.
MODE switch:	Selects picture mode during tape stop (AG-7750 only).
SYNC SELECT switch:	Selects sync signal.
Hi-Fi REC switch:	Records hi-fi sound (at same time as video signals) (AG-7750 only).
AUDIO OUT SELECT switch:	Selects type of output audio signals.
ON SCREEN switch:	Displays data on TV monitor.

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11. Time code setting area

AUDIO CH2/LTC switch:	Selects time code recording channel.
INT/EXT switch:	Selects external or internal time code.
VITC switch:	Sets VITC recording mode ON or OFF.
REGEN/PRESET switch:	Selects regeneration mode.
REC RUN/FREE RUN switch:	Selects time code recording mode.

1-1-2. Counter Display Parts

When the DIAL SELECT switch is at the SEARCH position:

Mode	Counter display	Remarks
CTL	-8 : 88 : 88■88 HOURS MINUTES SECONDS FRAMES	The shaded area remains blank for CTL interpolation while a colon appears in the non-drop frame mode and a period indicates the drop frame mode.
TC	88 : 88 : 88■88 HOURS MINUTES SECONDS FRAMES	
UB	88 88 88 88	

- "TC" and "UB" can be displayed only when the optional AG-F700 is mounted.

When the DIAL SELECT switch is at the MENU position:

Mode	Counter display	Remarks
SELECT PAGE	Su : ■	The shaded area flashes on and off.
SET PAGE	Su : 88 88 . ■	

Hour meter display

The following items are indicated alternately while the RESET button is kept depressed.

Display item	Counter display	Remarks
Capstan rotation cumulative time	C 88 88 8H	Set the CONTROL and DIAL SELECT switches to REMOTE and MENU, respectively.
Total drum rotation time	d 88 88 8H	

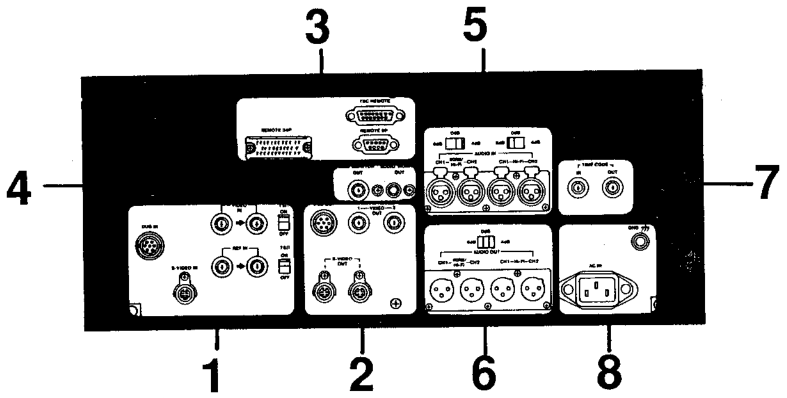
VITC position display

The following items are displayed while the RESET button is kept depressed.

Display item	Counter display	Remarks
When reading of VITC position was possible	88 . 88 L	Set the CONTROL and DIAL SELECT switches to REMOTE and SEARCH, respectively.
When reading of VITC position was not possible	- - . - - L	

- The VITC POSITION display appears only when the optional AG-F700 is mounted.

1-1-3. Rear Panel Parts



1. Video input signal area

DUB IN connector:	Input connector for 7-pin dubbing cable (AG-7750 only).
S-VIDEO IN connector:	S-VIDEO signal input connector (AG-7750 only).
REF IN connector:	Input connector for external reference signal (black burst, color bar signal) (with loop-through 75 termination switch).
VIDEO IN connector:	Video signal input connector (with loop-through 75 termination switch) (AG-7750 only).

2. Video output signal area

DUB OUT connector:	Output connector for 7-pin dubbing cable.
S-VIDEO OUT connectors:	S-VIDEO signal output connectors.
VIDEO OUT (1, 2) connectors:	Video signal output connectors.

3. Remote signal area

REMOTE 34P connector:	Connector for editing controller (34P).
TBC REMOTE connector:	Connector for TBC remote controller.
REMOTE 9P connector:	Connector for editing controller (9P).

4. Monitor output signal area

VIDEO connector:	Output connector for video monitor signal.
AUDIO connector:	Output connector for audio monitor signal.

5. Audio input signal area (AG-7750 only)

Input audio level switches:	Set output level to –6/0/+4 dB.
NORM/Hi-Fi audio input connectors:	NORM/Hi-Fi audio (CH1/2) output connectors.
Hi-Fi audio input connectors:	Input connectors for hi-fi sound only.

6. Audio output signal area

Output audio level switch:	Sets output level to –6/0/+4 dB.
NORM/Hi-Fi audio output connectors:	NORM/Hi-Fi audio (CH1/2) output connectors.
Hi-Fi output connectors:	Output connectors for hi-fi sound only.

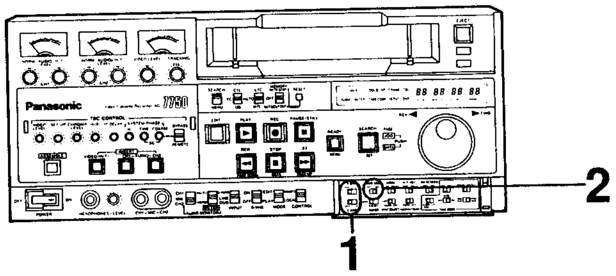
7. Time code signal area

TIME CODE IN connector:	Time code signal input connector (AG-7750 only).
TIME CODE OUT connector:	Time code signal output connector.

8. Power supply circuit area

GND terminal:	When connecting this unit to any other component, make absolutely sure that it is properly grounded by connecting this terminal.
AC IN socket:	Connected to AC 120V power outlet.

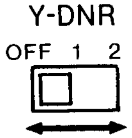
1-2-1. Setting The Video Switches



1. Setting the DNR (digital noise reducer) switches

- When playing back a tape with a reduced signal-to-noise ratio, these switches can be used to reduce the noise level as warranted by the picture quality. (However, a slight deterioration in the resolution will result.)
- Keep this switch OFF during editing. The picture may be disturbed if a tape is repeatedly edited.
- Bear in mind that when material is dubbed repeatedly in the DNR ON mode, after-imaging will be prevalent.

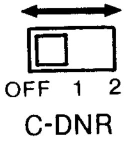
[1] **Reduction of Y signal noise**



Set the Y-DNR switch.

OFF: Luminance signal noise is not digitally reduced.
1: Luminance signal noise is digitally reduced (level 1). Signals with a low S/N ratio can be improved by 2 to 3 dB.
2: Luminance signal noise is digitally reduced (level 2). Signals with a low S/N ratio can be improved by 5 to 6 dB.

[2] **Reduction of C signal noise**



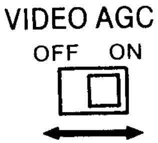
Set the C-DNR switch.

OFF: Chrominance signal noise is not digitally reduced.
1: Chrominance signal noise is digitally reduced (level 1). Signals with a low S/N ratio can be improved by 2 to 3 dB.
2: Chrominance signal noise is digitally reduced (level 2). Signals with a low S/N ratio can be improved by 5 to 6 dB.

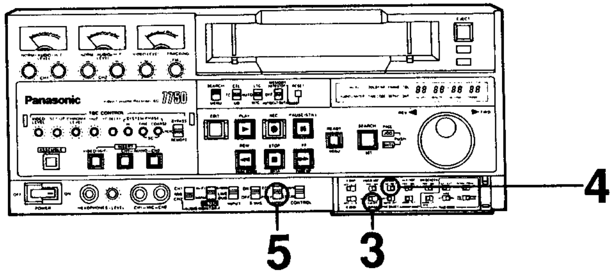
- The DNR switch does not work when the TBC mode switch is at the BYPASS position.

2. Setting the VIDEO AGC switch (AG-7750 only)

This is used to adjust the video level automatically during recording.

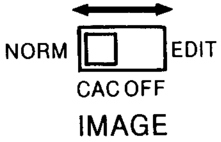


ON: The video level is automatically adjusted.
OFF: The video level is not automatically adjusted. Use the VIDEO LEVEL control to adjust it manually.



3. Setting the IMAGE switch

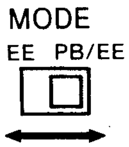
Set this to EDIT when editing S-VIDEO/LINE signals with 2 VTRs.



NORM: The switch is normally kept at this position. (The luminance and chrominance signal noise canceler and CAC function (which greatly improves the problem of color run in the chrominance signals and which emphasizes the chrominance signal edges) are activated.)
CAC OFF: The CAC function is released from the NORM mode. (Set the switch to this position if the chrominance signals are excessively emphasized.)
EDIT: Set to this position during editing.

4. Setting the MODE switch (pocket area) (AG-7750 only)

This is used to set the mode of the pictures appearing on the monitor in the STOP mode.

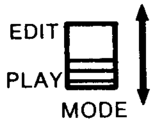


PB/EE: Still picture appears on the screen.
EE: EE picture appears on the screen.

- The sound is also switched at the same time.

5. Setting the MODE switch (front area) (AG-7750 only)

During editing this selects whether the unit is to be used at a playback machine or as an editor.



PLAY: Unit functions as a playback machine.
EDIT: Unit functions as an editor.

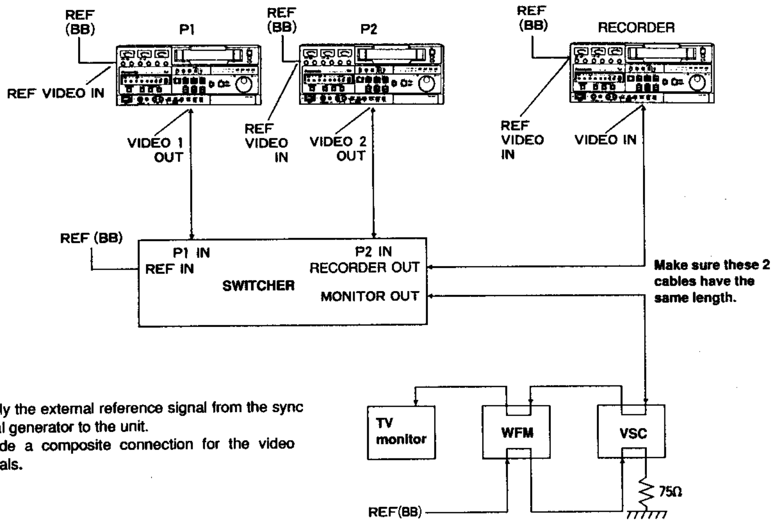
- Keep the switch at PLAY when the unit is to be used on its own.

1-3-1. TBC Adjustments

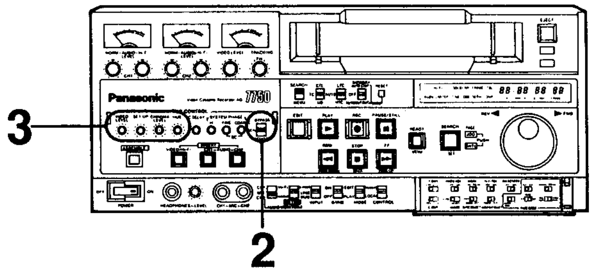
The TBC can be used to reduce the amount of jitter and distortion called skew (a phenomenon where the top part of the picture is bent horizontally).
For AB roll editing (a method of editing using two source machines) using an editor, the TBC must be adjusted after it has been connected to the system so that the material will be edited accurately and error-free. (The TBC must be re-adjusted every time its connecting cable is replaced or its connections are changed.)

……

1. Make the connections as shown in the figure below.


REF (BB)
P1
REF VIDEO IN
VIDEO 1 OUT
REF (BB)
P2
REF VIDEO IN
VIDEO 2 OUT
REF (BB)
RECORDER
REF VIDEO IN
VIDEO IN
REF (BB)
P1 IN
REF IN
SWITCHER
P2 IN
RECORDER OUT
MONITOR OUT
Make sure these 2 cables have the same length.
TV monitor
WFM
VSC
75Ω
REF(BB)

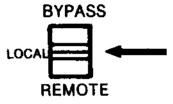
[1] Supply the external reference signal from the sync signal generator to the unit.
[2] Provide a composite connection for the video signals.



……

2. Set the TBC mode switch to LOCAL.

- The TBC functions are OFF at the BYPASS position.
- At the REMOTE position, the unit's TBC is set to the external remote control mode. (Connect the TBC remote controller to the TBC REMOTE connector on the rear panel.)


BYPASS
LOCAL
REMOTE

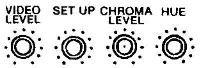
……

3. Proceed with the discrete adjustments.

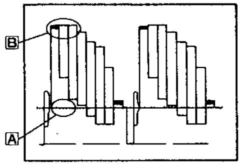
Since the TBC of this unit has already been adjusted using standard color bars, the control is normally used at the click-stop position. Proceed as follows when re-adjustment is required with the tape being used.

[1] Play back a cassette on which standard color bars have been recorded. (Contact your dealer for further details concerning the standard color bars.)

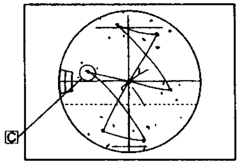
[2] Adjust the controls.
Adjust the controls in the sequence of A, B and C in that order to produce the waveforms shown in the figures below on the waveform monitor and vectorscope.


VIDEO LEVEL
SET UP
CHROMA LEVEL
HUE

Waveform on waveform monitor



Waveform on vectorscope

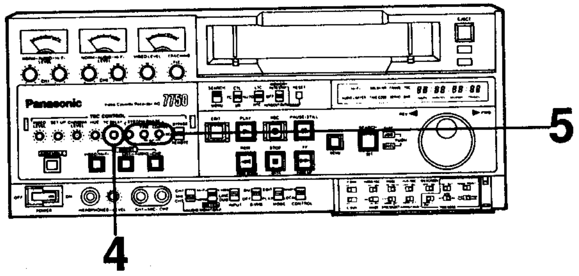


[A] Set-up level
Adjust this control to eliminate any deviation.
[B] Video level
Adjust this to 100IRE.
[C] Chroma level/hue
Adjust these controls so that the vector waveform traces are positioned at the grid mark.
Alternatively, adjust to the same chroma level and hue as the waveform on the vectorscope in the BYPASS mode.

……

NOTE:

- If a waveform monitor or vectorscope is not available or when a gap is made with the above-mentioned level, proceed with the adjustments by visually checking what appears on the monitor. Normally, the controls are used at the clickstop position.



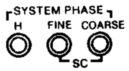
4. Adjust the YC DELAY control. (Normally, adjustment is unnecessary.)

Adjust this to compensate for a shift in YC delay (color shift) of the tape being played back.
Each step represents an adjustment of approx. 70ns.

5. Adjust the SYSTEM PHASE controls.

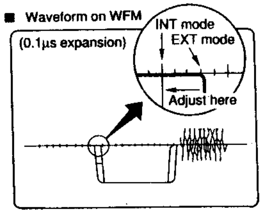
[1] **Play back the standard color bars on VTR P1.**

[2] **Adjust the SYS PHASE controls on VTR P1.**
Adjust them so that the waveform shown below appears on the waveform monitor (WFM).



1) Set the WFM to the INT mode and set the expansion to 0.1µs.
2) Check the horizontal sync position.
3) Now set the WFM to the EXT mode.
4) In the EXT mode adjust the SYS PHASE controls so that the H SYNC signal is aligned with the position above. First adjust H, then use SC COARSE for the overall adjustment and SC FINE for the fine adjustment.
5) Adjust the SYS PHASE controls on VTR P2 similarly.

■ Waveform on WFM



(Pay close attention to the sync signal rise.)

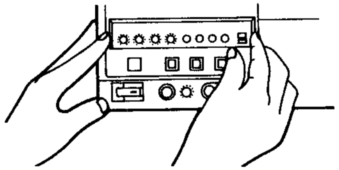
MEMO

Description of control adjustments

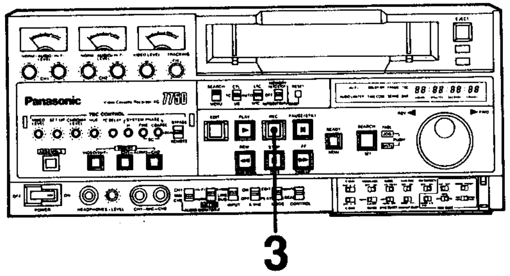
VIDEO LEVEL:	Adjusts the video level.
SET UP LEVEL:	Adjusts the set-up level.
CHROMA LEVEL:	Adjusts the chroma level.
HUE LEVEL:	Adjust the hue level.
YC DELAY:	Adjusts the deviation in YC timing.
SYSTEM H PHASE:	Adjusts the phase of the horizontal sync signal from the built-in sync generator to the external reference signal supplied from the external source in order to achieve genlock.
SYSTEM SC PHASE:	Adjusts the phase of the subcarrier signal from the built-in sync generator to the external reference signal supplied from the external source in order to achieve genlock.
COARSE:	Adjustment in 4 steps of 90°
FINE:	Continuous adjustment, range of just over 90° Together, these controls cover a 360°.

TBC protective cover (standard accessory)

The TBC protective cover is attached as a standard accessory in order to prevent any deviation or misalignment in the adjustment of the TBC controls.



1-4-1. Before Proceeding With Editing



"Editing" consists in taking pre-recorded tapes, combining various material into one part, cutting out the parts which are not desired and connecting only what is required into a single program. There are two editing modes: assemble and insert. Complete the operations listed below before proceeding with editing.
(CTL editing is the type of editing which is possible when only this unit is used for editing. Time code editing is not possible.)

1. Complete the adjustments and settings.

2. Check whether the FRAME LOCK lamp lights when the following steps are taken.

[1] **Play back the tape which is to be edited.**

[2] **Use the TRACKING control on the source unit so that the TRACKING meter pointer deflects to its maximum.**

[3] **Set the TRACKING control on the editor to its center clickstop position.**

[4] **Set the FRAME SERVO switch on the editor and source unit to ON.**

[5] **Check that the FRAME LOCK lamp at the source machine side has lighted in the TBC ON mode.**
- If the lamp is off, set the SYNC SELECT switch on the editor to the "NORM" position.

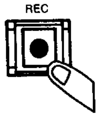
[6] **Check that the FRAME SERVO lamp on the editor has lighted.**
- If the FRAME SERVO lamp is off, the edited pictures may be thrown into disarray.

3. The material to be edited can be checked on the TV monitor.

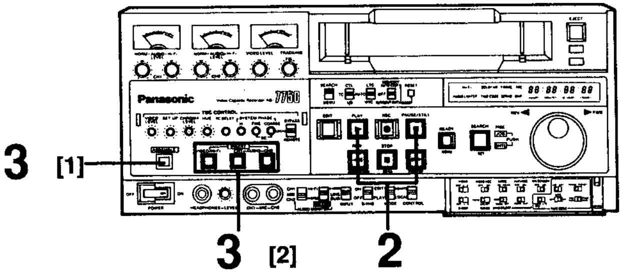
Press the REC button while playback is in progress.

E-E pictures can be viewed while the REC button is depressed.
Signals are not recorded onto the tape.

- E-E pictures cannot be viewed if a cassette has been inserted without its accidental erasure prevention tab.



1-4-2. Selecting The Editing Mode

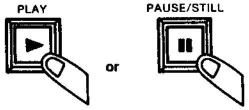


1. Proceed first with the editing preparations.

Refer to "Before proceeding with editing" on the previous page for details.

2. Set the unit to the PLAY or PLAY/STILL mode.

Press the PLAY button or PAUSE button.

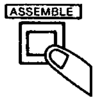


3. Select the editing mode.

[1] **Assemble editing**

Press the ASSEMBLE button.

When it is pressed once, the button lights; when it is pressed again, its light goes off.

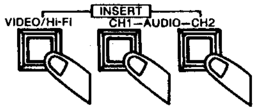


[2] **Insert editing**

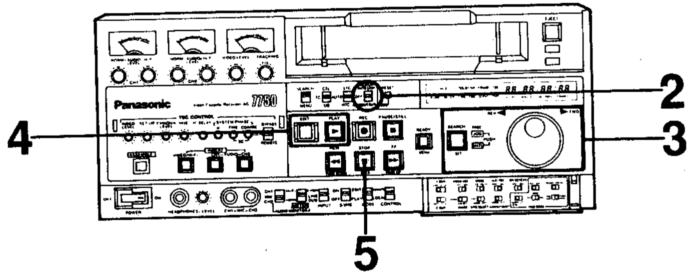
Select the INSERT button corresponding to the editing.

When it is pressed once, the button lights; when it is pressed again, its light goes off.

Insert editing applies only to the signals for the button which has lighted.

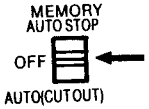


1-4-3. Executing Manual Editing

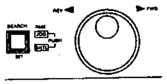


1. **Select the editing mode.**
   Refer to "Selecting the editing mode" on the previous page for details.

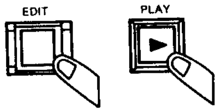
2. **Set the MEMORY switch to OFF.**
   If this switch is at the AUTO (CUT OUT) position, editing will be cut out and stopped when the counter display shows "0.00:00:00."



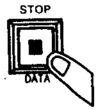
3. **Find the edit start point by conducting a search operation and place the unit in the still picture mode.**



4. **Press the PLAY button while pressing down the EDIT button.**
   The tape jogs back automatically for about 3 seconds, and editing commences.



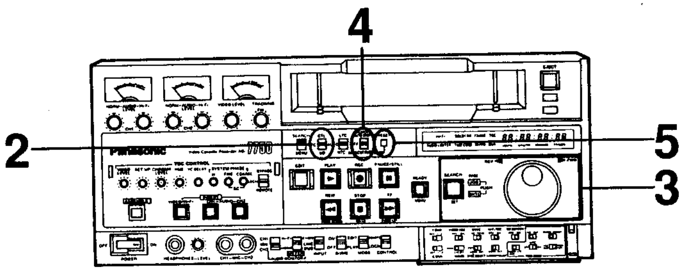
5. **Press the STOP button to stop editing.**



NOTES

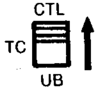
- Do not set the TBC facility ON or OFF during editing.

1-4-4. AUTO CUT OUT Editing (simple automatic editing)

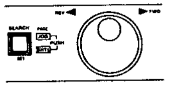


1. **Select the editing mode.**
   Refer to "Selecting the editing mode" on the previous page for details.

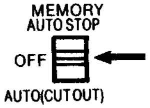
2. **Set the display switch to CTL**



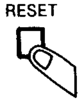
3. **Find the edit end point by conducting a search operation and place the unit in the still picture mode.**

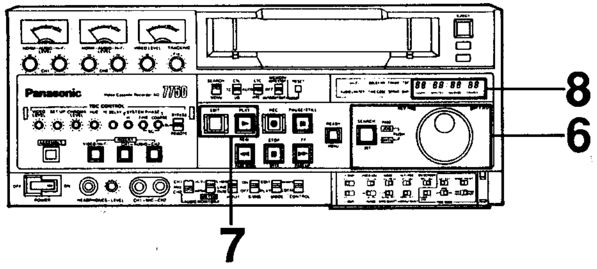


4. **Set the MEMORY switch to AUTO (CUT OUT).**

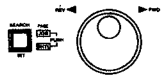


5. **Press the RESET button.**
   The tape counter is reset to "00:00:00:00." The corresponding place on the tape is the edit end point.



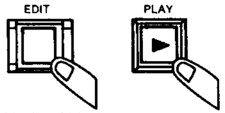


6. **Find the edit start point by conducting a search operation and place the unit in the still picture mode.**



7. **Press the PLAY button while pressing down the EDIT button.**

   The tape jogs back automatically for about 3 seconds, and editing commences.



8. **End of editing**

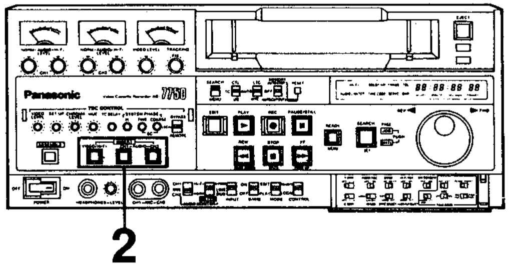
   When the tape counter reaches "0:00:00:00," editing will be automatically cut out.

   - With insert editing, the tape is rewound automatically in the vicinity of the cut out point.

0:00:00:00
HOURS
MINUTES
SECONDS
FRAMES

1-4-5. Split Editing

"Split editing" consists in changing the editing signals during insert editing.

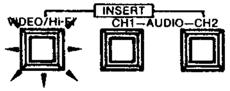


1. **Execute insert editing.**

2. **Change the editing signals.**

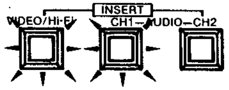
   Example of operation:
   Adding and inserting the AUDIO CH1 sound during the insert editing of the VIDEO/Hi-Fi signals

[1] **Insert editing of the VIDEO/Hi-Fi signals in progress**



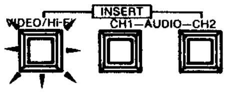
[2] **Press the AUDIO CH1 button.**

The AUDIO CH1 sound is insert-edited.



[3] **Press the AUDIO CH1 button again.**

The insert-editing of the AUDIO CH1 sound is terminated.



NOTES:

- The editing mode can be switched to assemble editing while insert editing is in progress.
- The editing mode cannot be switched to insert editing while assemble editing is in progress.

1-4-6. Precautions For Editing

- If the EDIT START button is pressed without the editing mode having been set, the edit mode buttons (ASSEMBLE, VIDEO Hi-Fi, AUDIO CH1, AUDIO CH2) flash 6 times to prompt the operator to select the mode.
- Due to the preroll requirements, a pre-recorded section lasting at least 3 seconds must precede the edit start point. Editing cannot be conducted from the very start of the tape.

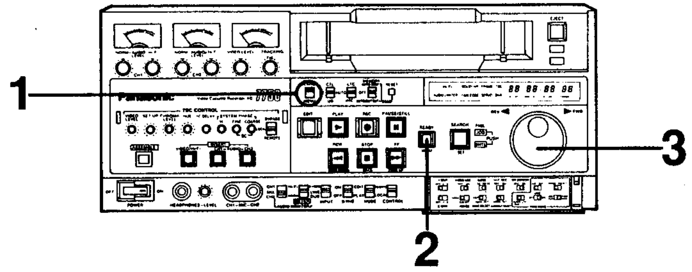
Precaution for assemble editing

- Bear in mind that about 2 seconds of the original recording after the edit end point will be erased.

Precautions for insert editing

- The picture will be thrown into disarray at the edit start and end points if insert editing is conducted using the VHS system on a tape which has been recorded using the S-VHS system.
- Since the control signal is used for the editing, make sure that the edit period does not extend beyond the recording made on the tape.

1-5-1. Using The Dial Menu Functions



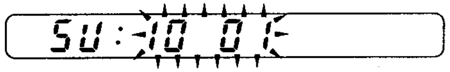
1. **Set the search dial mode switch to MENU.**

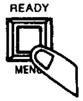
This disables all operations except those relating to the dial menu functions.

SEARCH
MENU

2. **Press the READY (MENU) button.**

The following appears on the display.





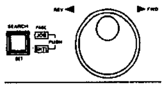
The SETUP-MENU screen appears on the monitor which is connected to the MONITOR VIDEO connector.
The monitor display shows the following.

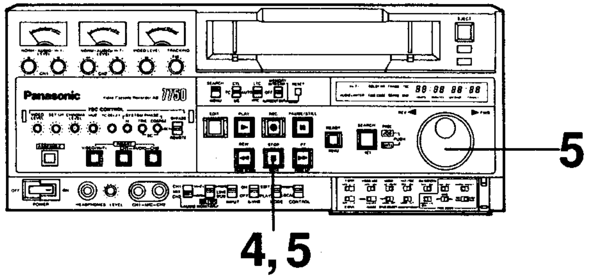
```
SETUP-MENU                    NO.1001
01  STILL TIME SELECT  ←—— Flashing display
02  TAPE PROTECTION
03  READY OFF MODE SELECT
04  FREEZE AT READY OFF
05  DIRECT SEARCH
06  AUTO BACK
07  SHORT FF
```

3. **Turn the search dial and locate the setting item. (The dial is operated in the jog mode.)**

Operate the search dial in the jog mode. (In the SHTL mode, the SHTL lamp flashes and the dial menu functions cannot be operated.)
When it is turned clockwise, the number is successively incremented from 1001 → 1002 → 1103 → etc. Conversely, when it is turned counterclockwise, the number is successively decremented. (The selected item is indicated by flashing.)

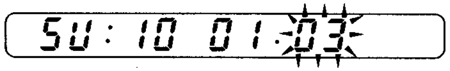
- Press the FF (page up) or REW (page down) button to scroll the menu up or down in 1-page units.

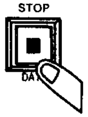




4. **Press the STOP button when the desired item is located.**

The set-up change screen is displayed while the STOP button is kept depressed.
The following appears on the display.





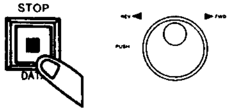
The monitor display shows the following.

```
SETUP-MENU  NO.1001-03
STILL TIME SELECT
5 MIN  ⇦ Flashing display
```

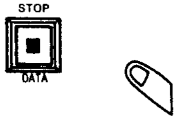
5. **Turn the search dial while pressing the STOP button.**

The flashing display changes. Set the item to the desired value.

- Operate the search dial in the jog mode.

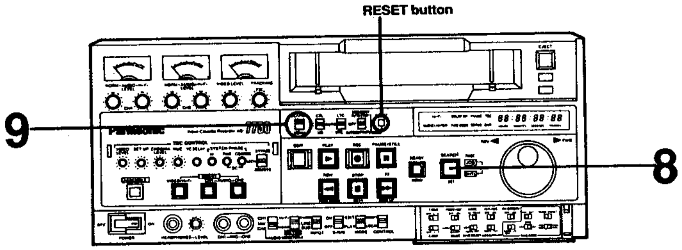


6. **Release the STOP button.**



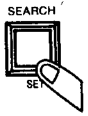
NOTE

- The setting method differs for item No.5008 and 5009.



7. **Repeat steps 3 to 6.**
   Set all the items whose set-up is to be changed to the desired value.

8. **Upon completion of the settings, press the SEARCH (SET) button.**
   The set-up changes are now entered.



9. **Return the search dial mode switch to SEARCH.**
   The normal screen is returned.
   - If the switch is returned to SEARCH without the SET button having been pressed in step **8**, the settings will not be entered.

SEARCH
MENU

MEMO

- To return set-up items to their original (factory-set) settings, press the RESET button when the SETUP-MENU is indicated. The following message appears.

```
SETUP-MENU   INIT. SET
OK ?   (PUSH PLAY KEY)
```

The values are restored to their original settings when the PLAY button is pressed.

1-5-2. Set-up Menu Screen

Operation/function set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
1001	STILL TIME SELECT	00 01 02 03	10 SEC 30 SEC 1 MIN 5 MIN	When the unit is left in the STOP or STILL mode, this selects the duration of time after which the unit is automatically placed in the TAPE PROTECTION mode in order to protect the tape.
1002	TAPE PROTECTION	00 01	READY OFF AUTO ADVANCE	This selects the mode which will be established after the above STILL time has elapsed. 00: Ready OFF mode 01: Auto advance mode
1003	READY OFF MODE SELECT	00 01 02	DRUM ROTATE DRUM STOP UNLOADING	Selects the operation in the READY OFF mode. 00: Drum rotates due to loose tape. 01: Drum stops due to loose tape. 02: Unloading
1004	FREEZE AT READY OFF	00 01	OFF ON	Selects whether or not the TBC is to conduct memory processing for the video signals immediately before READY OFF. (Operation is possible only when the TBC facility is ON.)
1005	DIRECT SEARCH	00 01	OFF ON	Set the direct search mode. 00: Normal search operation 01: Unit is automatically placed in the search mode when the search dial is operated even without the search button being pressed.
1006	AUTO BACK (AG-7750 only)	00 01	OFF ON	Sets the auto back space recording function. 00: Normal recording/pause mode 01: When the REC button is pressed in the PLAY/STILL mode or if the PAUSE/STILL button is pressed during recording, the tape is rewound for about 3 seconds and the unit is placed in the standby mode. When the PAUSE/STILL button is then pressed, the unit conducts playback for 3 seconds and then recording commences.
1007	SHORT FF	00 01	OFF ON	Sets the short FF function. 00: No short FF operation 01: Short FF operation is conducted at tape start.
1008	AUTO REW	00 01	OFF ON	Sets the auto rewind function. 00: Stops at tape end. 01: When the tape reaches the end, it is automatically rewound to the start and the unit stops operating.
1009	VIDEO MODE	00 01 02	COLOR AUTO B/W	Selects input video signal color mode. 00: Color mode is forcibly set. 01: Color mode is automatically detected by the input signal. 02: Balck-and-white mode is forcibly set.

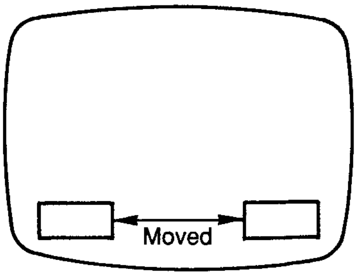
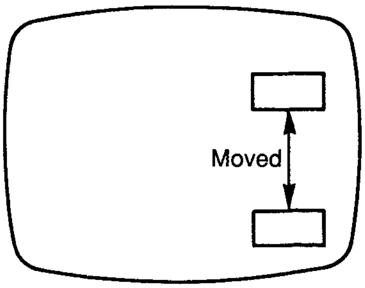
[The shading denotes the initial setting.]

Operation/function set-up items

<table>
<tr><th colspan="2">Item</th><th colspan="2">Set-up value</th><th rowspan="2">Description of function</th></tr>
<tr><th>No.</th><th>Superimpose display</th><th>No.</th><th>Superimpose display</th></tr>
<tr><td>1010</td><td>Y/C FILTER</td><td>00
01</td><td>OFF
ON</td><td>Sets the Y/C filter.
00: Y/C filter OFF
01: Y/C filter ON
(This switch has nothing to do with recording or the DUB OUT connector.)</td></tr>
<tr><td>1011</td><td>AUDIO LIMITER
(AG-7750 only)</td><td>00
01</td><td>OFF
ON</td><td>Sets the audio limiter function.
00: Dynamic volume is recorded in its original form.
01: Automatic volume limiter circuit operates to enable sound to be recorded without distortion even when the input level reaches an excessively high level at moments during recording.
(This function works for normal sound only.)</td></tr>
<tr><td>1012</td><td>DOLBY NR</td><td>00
01</td><td>OFF
ON</td><td>Sets the Dolby NR system.
00: Dolby NR system OFF
01: Dolby NR sytem ON
■ Dolby NR system
<table>
<tr><th>PLAY
REC</th><th>ON</th><th>OFF</th></tr>
<tr><td>ON</td><td>Normal sound is heard with minimal tape hiss.</td><td>Treble range is emphasized.</td></tr>
<tr><td>OFF</td><td>Treble range is reduced.</td><td>Sound is heard normally.</td></tr>
</table>
*The Dolby NR system works for normal sound only.</td></tr>
<tr><td>1013</td><td>HI-FI REC SELECT
(AG-7750 only)</td><td>00
01</td><td>HI-FI INPUT
NORMAL INPUT</td><td>Selects input connectors during Hi-Fi sound recording.
00: Hi-Fi audio input connectors
01: NORM/Hi-Fi audio input connectors</td></tr>
<tr><td>1014</td><td>CH1 REC
(AG-7750 only)</td><td>00
01</td><td>CH1
MIX</td><td>Selects the input during normal sound CH1 recording.
00: Records CH1 sound.
01: Records mixed CH1/CH2 sound.</td></tr>
</table>

[The shading denotes the initial setting.]

Superimpose set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
2001	CHARACTER BACKGROUND	00 01	Selection is made while observing superimposed display.	Selects background mode for VIDEO MONITOR superimpose display. 00: Black display = LTCR 00:00:00:00 01: Edge display = LTCR 00:00:00:00
2002	CHARACTER H-POSITION	00 01 02 03 04 05 06 07	Selection is made while observing superimposed display.	Selects horizontal position for VIDEO MONITOR superimpose display; moves characters to right as No. is increased. 
2003	CHARACTER V-POSITION	00 01 02 03 04 05 06 07	Selection is made while observing superimposed display.	Selects vertical position for VIDEO MONITOR superimpose display; moves characters down as No. is increased. 
2004	STATUS SUPER	00 01	OFF ON	Selects whether VTR operation mode is to be indicated as a superimposed display. 00: VTR operation not displayed. 01: VTR operation displayed.

[The shading denotes the initial setting.]

Remote set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
3001	EJECT/STOP FNCTN REM.	00 01	POSSIBLE NOT POSSIBLE	Enables or disables operation of panel EJECT/STOP button in remote mode. 00: Enables operation. 01: Disables operation.
3002	9P DEVICE TYPE SELECT	00 01	OTHER TYPES SVHS ID	Selects ID code returned to 9P device type request command. 00: When connecting a controller not made by Panasonic. 01: When connecting a controller made by Panasonic.
3003	REMOTE OPERATION	00 01	9P 34P	Selcts controller type in remote control mode. 00: 9P RS-422A serial controller 01: 34P controller
3004	34P SHTL MAX SPEED	00 01	∗10 ∗20	Sets maximum shuttle speed when controlled by 34P controller. 00: 10x normal tape speed 01: 20x normal tpae speed
3005	34P CONTROLLER TYPE	00	TYPE-1 A750 A800 TYPE-2 A650 A500 A505	Selects type of 34P controller to be connected.

[The shading denotes the initial setting.]

Editing set-up values

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
4001	AUTO PREROLL ENTRY	00	NOT ENTERED	Selects whether to enter IN point by preroll command when IN point has not been entered. 00: Not entered 01: Entered
		01	ENTERED	
4002	PREROLL TIME	00	0 SEC	Selects preroll time for 9P control from 0 to 15 sec.
		01	1 SEC	
		02	2 SEC	
		03	3 SEC	
		04	4 SEC	
		05	5 SEC	
		06	6 SEC	
		07	7 SEC	
		08	8 SEC	
		09	9 SEC	
		10	10 SEC	
		11	11 SEC	
		12	12 SEC	
		13	13 SEC	
		14	14 SEC	
		15	15 SEC	
4003	PLAY DELAY	00	0 FRAME	Selects play delay time during play start from 0 to 15 frames.
		01	1FRAME	
		02	2 FRAME	
		03	3 FRAME	
		04	4 FRAME	
		05	5 FRAME	
		06	6 FRAME	
		07	7 FRAME	
		08	8 FRAME	
		09	9 FRAME	
		10	10 FRAME	
		11	11 FRAME	
		12	12 FRAME	
		13	13 FRAME	
		14	14 FRAME	
		15	15 FRAME	
4004	FRAME SEARVO	00	OFF	Sets framing mode 00: Set to this position when signals not in conformity with EIA standard signals (RS-170) are supplied. Framing is not conducted. 01: Framing is conducted if set to this position when signals in conformity with EIA standard signals (RS-170) are supplied.
		01	ON	

[The shading denotes the initial setting.]

Time code set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
5001	DROP/NON-DROP FRAME	00 01	NON-DROP FRAME DROP FRAME	Sets whether to compensate time deviations for time code or control signal. 00: Non-drop frame processing; time deviations are not compensated; 30 frames are processed as 1 second. 01: Drop frame processing; deviations between color sync and real time are compensated. Two frames (.00 .01) are sikpped from start of positive numbers except 0, 10, 20, 30, 40 and 50.
5002	TC SOURCE SELECT	00 01	VITC LTC	Selects whether precedence is to be given to VITC or LTC when time code mode is AUTO. 00: Gives precedence to VITC. 01: Gives precedence to LTC.
5003	VITC POSITION SEL-1 (AG-7750 only)	00 01 02 03 04 05 06 07 08 09	10 LINE 11 LINE 12 LINE 13 LINE 14 LINE 15 LINE 16 LINE 17 LINE 18 LINE 19 LINE	Selects VITC signal insertion line. *Same line as No.5004 cannot be selected. (Avoid selecting an adjoining line.)
5004	VITC POSITION SEL-2 (AG-7750 only)	00 01 02 03 04 05 06 07 08 09	10 LINE 11 LINE 12 LINE 13 LINE 14 LINE 15 LINE 16 LINE 17 LINE 18 LINE 19 LINE	Selects VITC signal insertion line. *Same line as No.5003 cannot be selected. (Avoid selecting an adjoining line.) **Note:** Do not select line 10 or 11 if the TBC facility is to be used at ON. Skew may make it impossible to read the VITC. There is no effect in the BYPASS mode.
5005	TCG REGEN MODE (AG-7750 only)	00 01 02	TC✱UB TC UB	Selects regeneration signal when TCG is in REGEN mode. 00: Regeneration for time code and user's bit. 01: Regeneration for time code only. 02: Regeneration for user's bit only.

*The time code settings (No. 5002~5009) are displayed only when the optional AG-F700 time code board is installed in the unit

[The shading denotes the initial setting.]

Time code set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
5006	TC OUT SIGNAL REGEN (AG-7750 only)	00 01	OFF TAPE REGEN	When LTC is used as the time code and the REGEN/PRESET switch in the pocket area is at the "REGEN" position, set the waveform which is output from the TIME CODE OUT connector. 00: Outputs playback signals in their original form. 01: Regenerates and outputs playback signals only in servo lock mode. ■ In remote mode, it will be "OFF TAPE".
5007	UB BINARY GROUP FLAG (AG-7750 only)	00 01 02 03	NOT SPECIFIED ISO CHARACTER UNASSIGNED 1 UNASSIGNED 2	Selects mode for using user's bit generated by TCG. 00: No character set assigned. 01: 8-bit character set conforming to ISO646, ISO2022. 02: Not defined 03: Not defined
5008	TIME CODE PRESET (AG-7750 only)	00	TCG preset value is set while observing the screen.	Sets preset value of time code generator. 00:00:00:00 ~ 23:59:59:29
5009	U-BIT PRESET (AG-7750 only)	00	UBG preset value is set while observing the screen.	Sets preset value of user's bit. 00:00:00:00 ~ FF:FF:FF:FF

* The time code settings (No. 5002~5009) are displayed only when the optional AG-F700 time code board is installed in the unit

5008/5009 setting method (AG-7750 only)

1. Press the STOP button at item No.5008 or 5009.
2. Turn the search dial and move the display to be changed (flashing display).
3. The value will change when the search dial is turned while the STOP button is kept pressed.
4. Press the SEARCH (SET) button upon completion of the settings.

- The present time code value is displayed as the initial value. When the RESET button is pressed, it will be reset to "00:00:00:00."
- Keep the INT/EXT switch in the pocket area at INT and the REGEN/PRESET switch at PRESET.

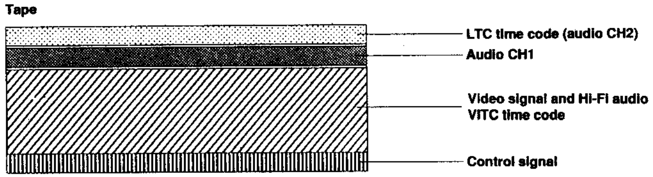
1-6-1. Time Code/User's Bit

Time code

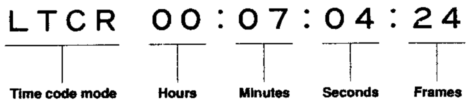
The "time code," which is based on the time code signal generated by the time code signal generator, recorded on tape, and read out by the time code signal reader, is used to display absolute positions on the tape in units of "hours:minutes:seconds:frames." Knowing an absolute position makes it possible to conduct editing accurately and search operations speedily.

There are two types of time codes: LTC (longitudinal time code) and VITC (vertical interval time code). The LTC is recorded on the tape's normal audio CH2 track. It is used to record the position information on the tape and user's bit information.

The VITC is recorded in the vertical blanking period of the video signals so that even without using the normal audio CH2 track, it is used to record the information regarding position on the tape and user's bit information.



The time code itself is indicated on the display and superimposed on the TV monitor.



User's bit

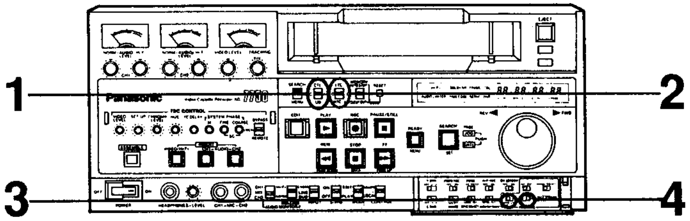
Among the time code signals, the "user's bit" is an information frame released to the user. It is used to record the operator number or real time.

LUBR Ab Cd EF 88

A total of 16 characters—numbers 0 to 9, A, B, C, D, E and F—can be used for the user's bit.

1-6-2. Setting The Time Code Switches (AG-7750 only)

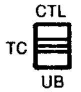
Operations involving time codes cannot be conducted unless the accessory AG-F700 is installed in the unit.



1. Setting the DISPLAY switch

This selects the time code mode which is indicated on the display.

CTL:	The CTL (control) signal value is indicated.
TC:	The time code value is indicated.
UB:	The user's bit value is indicated.



2. Setting the TIME CODE mode switch

This selects the readout mode of the time code.

LTC:	The LTC time code signal recorded on linear track CH2 is read out.
AUTO:	Priority is given to reading out the time code signal (LTC or VITC) selected by dial menu item No. 5002.
VITC:	Only the VITC signal is read out.

- Interpolation is provided by the CTL signal when it is no longer possible to read out the time code signal in any of the modes.

LTC
AUTO
VITC

3. Setting the AUDIO CH2/LTC switch

This selects whether to record the normal CH2 sound on the linear track or whether to record the LTC time code signal.

AUDIO CH2:	The normal CH2 sound is recorded.
LTC:	The LTC time code is recorded.

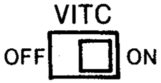
- The TIME CODE lamp lights.

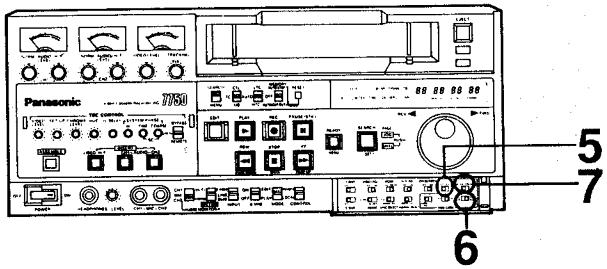
AUDIO CH2
LTC

4. Setting the VITC switch

Set this switch to the "ON" position to record the VITC time code. Since the VITC signal is recorded in the vertical blanking period of the video signal, it is still possible to record the VITC time code regardless of the fact that the CH2 track has been set for use as the normal sound CH2.

ON:	VITC recording is possible.
OFF:	VITC recording is not possible.





5. **Setting the INT/EXT switch**

INT:	Set the switch to this position to record the internal time code/user's bit.
EXT:	Set the switch to this position to record the external time code/user's bit.

6. **Setting the REC RUN/FREE RUN switch**

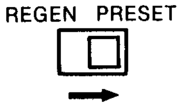
This selects the running mode of the time code.

REC RUN:	The time code runs only during recording.
FREE RUN:	The time code runs in the same way as for the time, regardless of the VTR mode.

REC
RUN
FREE
RUN

7. **Setting the REGEN/PRESET switch**

REGEN:	The internal time code is synchronized with the playback time code or external time code.
PRESET:	Set to this position to use the internal time code.



8. **Settings with the dial menu functions**

The time code set-up can be performed using dial menu function item No. 5001 to 5007.
The preset values for the time code and user's bit can be set using dial menu function item No. 5008 and 5009.

1-6-3. Recording The Time Code/User's Bit (AG-7750 only)

Operations involving time codes cannot be conducted unless the accessory AG-F700 is installed in the unit.

1. Recording the optional (preset) time code/user's bit

[1] **Set the INT/EXT switch to "INT."**

[2] **Set the REC RUN/FREE RUN switch to "REC RUN."**

[3] **Set the REGEN/PRESET switch to "PRESET."**

[4] **Set the preset value using dial menu function item No. 5008 or 5009.**
- Set the AUDIO CH2/LTC switch to "AUDIO CH2" when the LTC time code is not to be recorded.
- Set the VITC switch to "OFF" when the VITC time code is not to be recorded.

2. Recording the continuous time code on the editing tape

[1] **Set the INT/EXT switch to "INT."**

[2] **Set the REC RUN/FREE RUN switch to "FREE RUN."**

[3] **Set the REGEN/PRESET switch to "REGEN."**
- Set the AUDIO CH2/LTC switch to "AUDIO CH2" when the LTC time code is not to be recorded.
- Set the VITC switch to "OFF" when the VITC time code is not to be recorded.

3. Dubbing the LTC signal recorded on the tape (Dubbing the LTC signal with the settings below prevents deterioration in the LTC time code signal.)

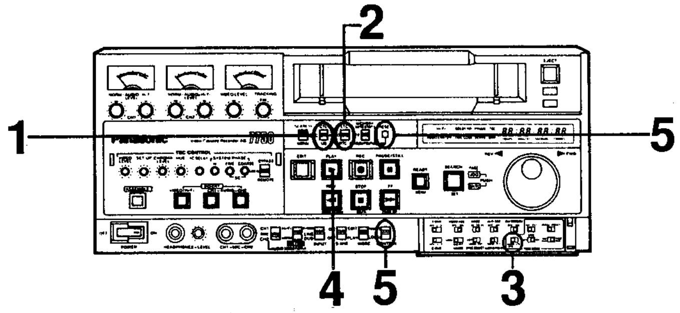
[1] **Set the TIME CODE switch to "LTC."**

[2] **Set the AUDIO CH2/LTC switch to "TC."**

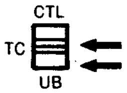
[3] **Set the REGEN/PRESET switch to "REGEN."**

[4] **Set dial menu function item No. 5006 to "REGEN."**

1-6-4. Playing Back The Time Code/User's Bit



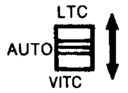
1. Set the DISPLAY switch to TC or UB.



TC: For time code playback.
UB: For user's bit playback.

- When the AG-F700 is not installed, the CTL display will appear no matter which position the DISPLAY Switch is set to.

2. Set the TIME CODE switch.


LTC
AUTO
VITC

LTC: The LTC time code signal recorded on linear track CH2 is read out.
AUTO: Priority is given to reading out the time code signal (LTC or VITC) selected by dial menu item No. 5002.
VITC: Only the VITC signal is read out.

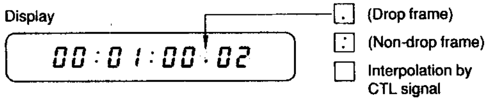
- Interpolation is provided by the CTL signal when it is no longer possible to read out the time code signal in any of the modes.
- When playing back external time code with the EXT/INT Switch set to "EXT", only the LTC is able to be read out no matter which position the TIME CODE Switch is set to.

3. Set the AUDIO CH2/LTC switch to LTC.

AUDIO CH2
LTC

AUDIO CH2: Set the switch to this position, when the normal audio recorded on linear track CH2 is read out.
LTC: Set the switch to this position, when the LTC time code signal recorded on linear track CH2 is read out.

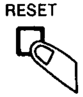
4. Press the PLAY button.

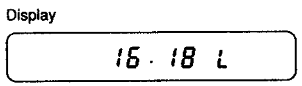

Display
00:01:00:02
(Drop frame)
(Non-drop frame)
Interpolation by CTL signal

5. To check the VITC insertion lines during playing back.

Set the CONTROL Switch to "REMOTE" and press the RESET button.

REMOTE
LOCAL
CONTROL

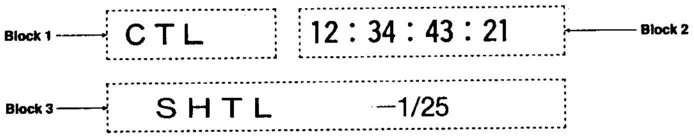



Display
16·18 L

(When VITC is inserted in line 16 and 18.)

1-6-5. Superimpose Screen

When the ON SCREEN switch in the front pocket is set to ON, the superimpose signals listed below are added to the signals output from the VIDEO MONITOR connector.
The superimpose display does not appear in the dial menu mode.



Block 1

The time code modes are abbreviated on the display using the following characters.

CTL: Control signal
TCG: Time code generator value (AG-7750 only)
LTCR: Playback value of LTC time code
VTCR: Playback value of VITC time code
ETCG: External time code generator value (AG-7750 only)
LUBG: Generator value of LTC user's bit (AG-7750 only)
VUBG: Generator value of VITC user's bit (AG-7750 only)
LUBR: Playback value of LTC user's bit
VUBR: Playback value of VITC user's bit
EUBG: Generator value of external user's bit (AG-7750 only)

Block 2

The time code value is indicated in hours, minutes, seconds and frames, each with 2 digits.

12:34:43:21

[:] = Non-drop frame mode
[.] = Drop frame mode
[ ] = Time code reading disabled

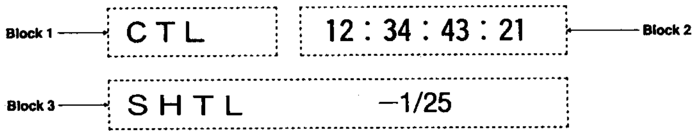
Block 3

The VTR operating modes are indicated as below.

EJECT (eject)
PLAY (playback)
STOP (stop)
FF (fast forward)
REW (rewind)
STILL (pause)
READY-OFF (ready mode release)

AG-7750 only

REC (recording)
EDIT (editing)
EPLY (edit play)



Block 3 *(cont.)*

The search speed is also displayed.

JOG xxxxx (jog)
SHTL xxxxx (shuttle)

"xxxxx" denotes the search speed.

−1/25 Tape speed (in this case, search proceeds in the reverse direction at 1/25x normal playback speed)

+: Forward direction/ -: reverse direction

NOTE

- The block 3 display appears only when the dial menu function (item No.2004) is set to ON.

REFERENCE

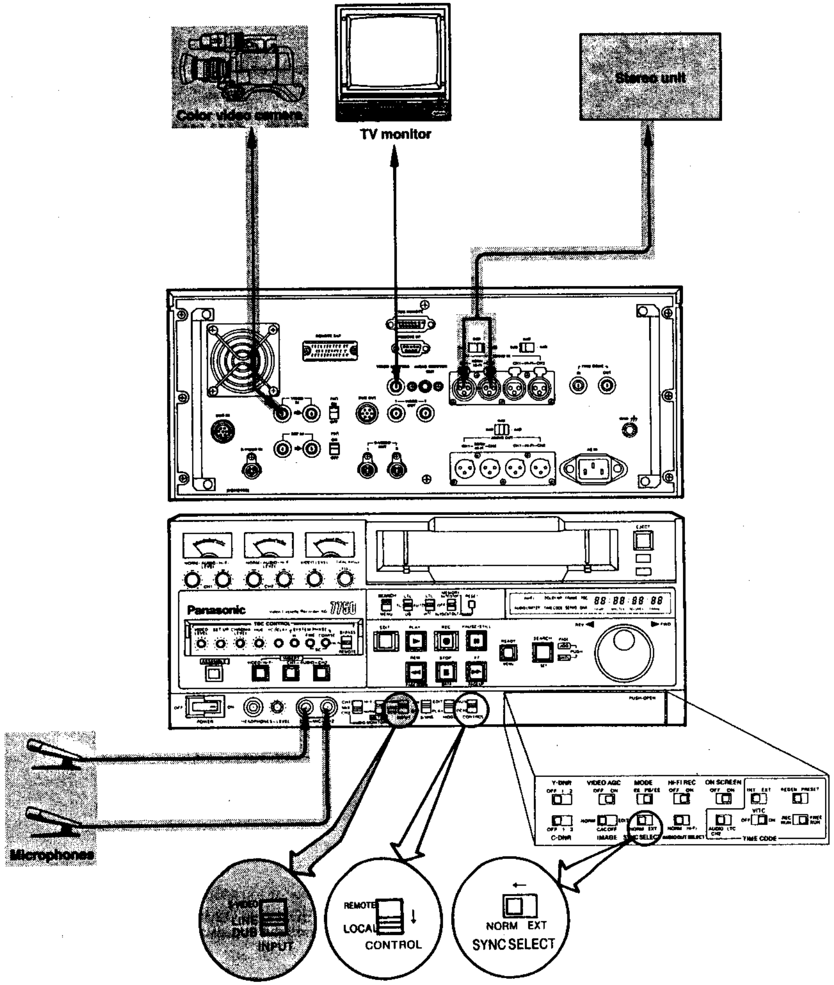
- The superimpose display characters can be changed using the dial menu function (item No.2001).
- The superimpose display position can be moved using the dial menu function (item No.2002, 2003).

1-7-1. Connections For Basic System

These connections are for editing using one S-VHS VTR.

- Set the CONTROL switch to LOCAL.
- Set the AUDIO CH2/LTC switch to AUDIO CH2.
  (Set to LTC for editing with the LTC time code signal.)

▨ : AG-7750 only


Color video camera
TV monitor
Stereo unit
Microphones
Panasonic
VIDEO
LINE
DUB
INPUT
REMOTE
LOCAL
CONTROL
NORM EXT
SYNC SELECT

1-7-2. Dubbing Connections

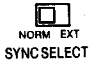
These connections are for editing using two S-VHS VTRs.
The ways to prevent deterioration in the picture quality caused by the dubbing connections are ranked as follows in terms of their effectiveness.

1. Use of dubbing cable (7P)
2. Use of S-VIDEO cable
3. Use of BNC cable

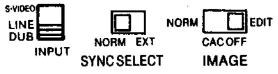
- Set the CONTROL switch to LOCAL.
- Set the AUDIO CH2/LTC switch to AUDIO CH2. (Set this to the "TIME CODE" position when dubbing LTC time code signals.)
- Set the IMAGE switch to EDIT. (Editer)
- Set the YC filter normally to ON. (Dial menu function item No. 1010)

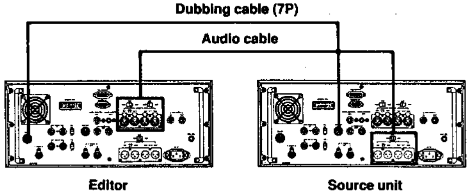
1. Connections using dubbing cable (7P)

Main switch setting (source unit)


NORM EXT
SYNC SELECT

Main switch setting (editor)

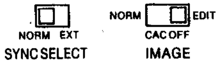

S-VIDEO
LINE
DUB
INPUT
NORM EXT
SYNC SELECT
NORM EDIT
CAC OFF
IMAGE


Dubbing cable (7P)
Audio cable
Editor
Source unit

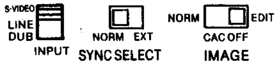
- Connection of two dubbing cables results in a loss of color.

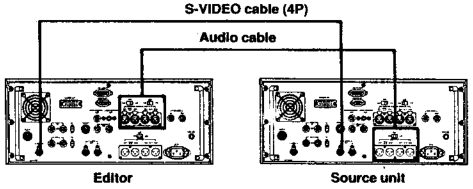
2. Connections using S-VIDEO cable (4P)

Main switch setting (source unit)


NORM EXT
SYNC SELECT
NORM EDIT
CAC OFF
IMAGE

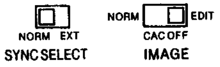
Main switch setting (editor)


S-VIDEO
LINE
DUB
INPUT
NORM EXT
SYNC SELECT
NORM EDIT
CAC OFF
IMAGE

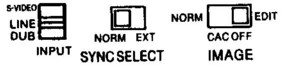

S-VIDEO cable (4P)
Audio cable
Editor
Source unit

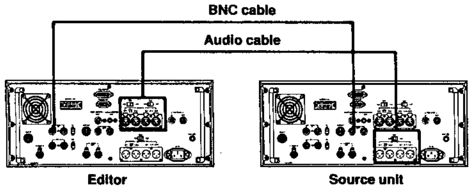
3. Connections using BNC cable.

Main switch setting (source unit)


NORM EXT
SYNC SELECT
NORM EDIT
CAC OFF
IMAGE

Main switch setting (editor)

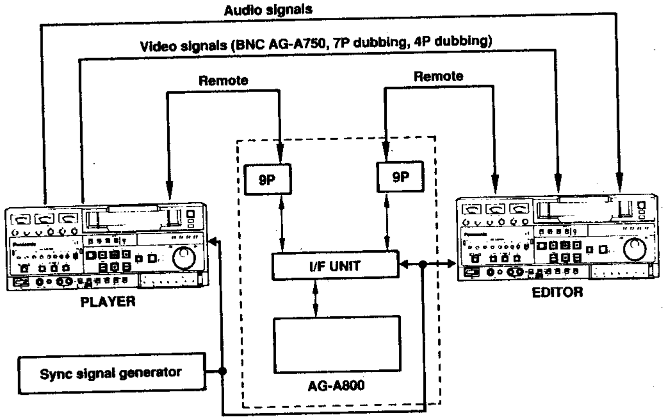

S-VIDEO
LINE
DUB
INPUT
NORM EXT
SYNC SELECT
NORM EDIT
CAC OFF
IMAGE


BNC cable
Audio cable
Editor
Source unit

1-8-1. System Using 9P Editing Controler

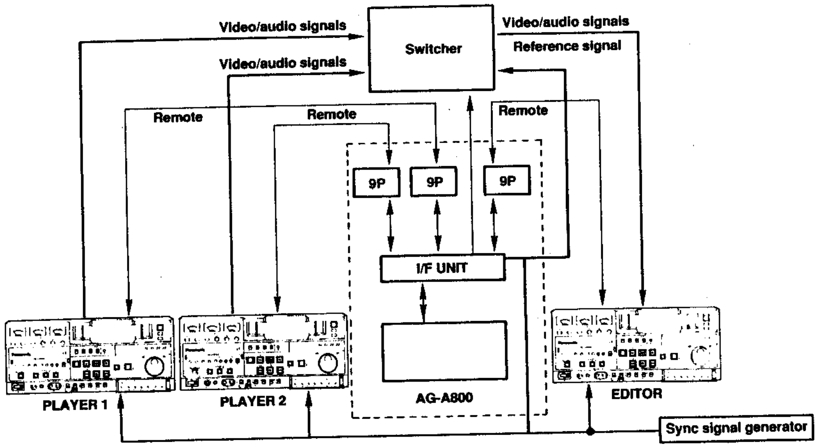
Editing at a high degree of accuracy and with almost no editing errors can be done by installing the AG-F700 (optional accessory) in this unit and using the 9P editing controller (optional accessory) to conduct time code editing.
This unit contains its own time base corrector (TBC) and so obviates the need for time-consuming TBC wiring during system editing.

System composed of one editor and one player


Audio signals
Video signals (BNC AG-A750, 7P dubbing, 4P dubbing)
Remote
Remote
9P
9P
I/F UNIT
PLAYER
EDITOR
Sync signal generator
AG-A800

System composed of one editor and two players

(enabling AB roll editing)


Video/audio signals
Video/audio signals
Switcher
Video/audio signals
Reference signal
Remote
Remote
Remote
9P
9P
9P
I/F UNIT
AG-A800
PLAYER 1
PLAYER 2
EDITOR
Sync signal generator

1. Connect the editing controller

- Connect it to the REMOTE (9P) connector.
- Connect the audio signals.
- Connect the video signals.
- Connect the REF signals.

2. Set 9P DEVICE TYPE SELECT (item No. 3002).

Use the dial menu function to set this.

OTHER TYPES (set-up No. 00):	When using a controller not made by Panasonic
S-VHS ID (set-up No. 01):	When using a controller made by Panasonic

3. Set REMOTE OPERATION (item No. 3003) to 9P (set-up No. 00).

Use the dial menu function to set this.

4. Set the CONTROL switch to REMOTE.

5. Operate the unit from the editing controller.

For details on how to operate the editing controller, reference should be made to the Instruction Manual accompanying the controller.

NOTES

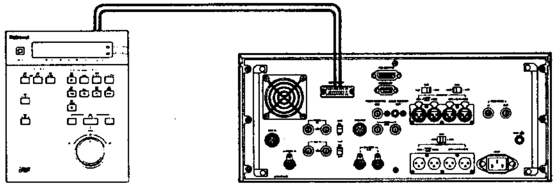
- Set the editing timing for the 9P editing controller to 8 frames.
- When using the AG-A800 editing controller, set the 9P DEVICE TYPE SELECT (item No. 3002) dial menu function to "S-VHS ID."
- When using an editing controller provided with a color framing function, do not set the color framing mode.
- Although, for insert editing using the 9P editing system, it is possible to set the editing channels independently for the time code signals and audio signals, this particular unit uses linear track CH2 for both the time code (LTC) and normal audio CH2. For this reason, the AUDIO SELECT switch in the pocket area must be set properly in accordance with the signals which are to be edited.
- When the 9P editing system is used, full loading applies for the FF and REW functions so that the playback pictures will be fast forwarded or rewound. (However, the tape will travel at 32 times its regular speed.)
- Set the MODE switches on the editor (at the front) to "EDIT" and on the player to "PLAY."

For AG-7750 only

- For time code editing, set the time code switches in the front pocket area to "INT" and "PRESET."

1-8-2. Systems Using Remote Search Controler

When the optional NV-A505 remote search controller is connected to the unit, the unit can be operated from a distance.



NV-A505 remote search controller

1. Connect the NV-A505 remote search controller to the REMOTE (34-pin) connector.

2. Set REMOTE OPERATION (item No.3003) to 34P (set-up No.01).

Use the dial menu function for this setting.

3. Set the 34P SHTL MAX SPEED (item No.3004).

Use the dial menu function to set the maximum shuttle search speed which can be operated by the editing controller being used.

10 (set-up No.00): 10× normal tape speed
20 (set-up No.01): 20× normal tape speed

4. Set 34P CONTROLLER TYPE (item No.3005).

Use the dial menu function to set the type of editing controller being used.

TYPE-1 (set-up No.00): AG-A800, AG-A750
TYPE-2 (set-up No.01): AG-A650, NV-A500, NV-A505

5. Set the CONTROL switch to REMOTE.

This disables the operation of all the unit's control buttons except STOP and EJECT.

6. Operate the NV-A505 remote search controller.

The NV-A505 can be used to control the following:

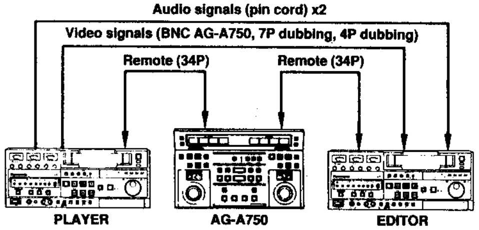
- Assemble editing, insert editing
- Recording, playback
- Fast forwarding, rewinding, stop and pause
- 9-mode variable speed (0 to 10× or 20×) search playback (but not jog)

REFERENCE

- The remote search controller can be used as an interface when configuring a system in which two or three source units are connected simultaneously.
- The AG-A600 remote controller can also be used.

1-8-3. System Using 34P Editing Controler

It is possible to use the editing controller to operate the unit and edit material with a high degree of accuracy by connecting the optional 34P editing controller to the unit.


Audio signals (pin cord) x2
Video signals (BNC AG-A750, 7P dubbing, 4P dubbing)
Remote (34P)
Remote (34P)
PLAYER
AG-A750
EDITOR

1. Connect the editing controller

- Connect it to the REMOTE (34P) connector.
- Connect the audio signals.
- Connect the video signals.

2. Set REMOTE OPERATION (item No.3003) to 34P (set-up No.01).

Use the dial menu function to set this.

3. Set the 34P SHTL MAX SPEED (item No.3004).

Use the dial menu function to set the maximum shuttle search speed which can be set by the editing controller being used.

10 (set-up No.00): 10x normal tape speed
20 (set-up No.01): 20x normal tape speed

4. Set 34P CONTROLLER TYPE (item No.3005).

Use the dial menu function to set the type of editing controller to be used.

TYPE-1 (set-up No.00): AG-A800, AG-A750
TYPE-2 (set-up No.01): AG-A650, NV-A500, NV-A505

5. Set the CONTROL switch to REMOTE.

6. Operate the unit from the editing controller.

For details on how to operate the editing controller, reference should be made to the Instruction Manual accompanying the controller.

NOTES

- When the NV-A500 editing controller is used, preview may not be terminated even when the EDIT STOP button is pressed. In cases like this, press the PAUSE button.
- When the AG-A800 editing controller is used in a 34P system, the tape may advance with the READY ON/OFF operation but this has no effect on the editing accuracy.

AG-7750 only

- When the AG-A800 editing controller is used in a 34P system, use it in the STOP EE mode. In the STOP PB mode, preview operations during assembly editing cannot be conducted.
- Set the editor's MODE switch (front) to "EDIT" and the player mode to "PLAY."

Section 2

TECHNICAL DESCRIPTIONS

CONTENTS

2-1. DESCRIPTION OF FUNCTIONS 2-2
  2-1-1. S-VHS system 2-2
  2-1-2. Video Tape Compatibility 2-2
  2-1-3. Comparison Between S-VHS and VHS System 2-3
  2-1-4. Logical Comb Filter 2-4
  2-1-5. CAC (Chroma Apature Compensator) Circuit 2-5
  2-1-6. Built-in External Sync TBC (Time Base Corrector) 2-5
  2-1-7. DNR (Digital Noise Reducer) 2-6
  2-1-8. Time Code Editing 2-6
  2-1-9. XLR Connector 2-6
  2-1-10. AI Servo 2-7
  2-1-11. Full Loading Mechanism 2-7
  2-1-12. Technology for Reduced Jitter 2-7
  2-1-13. 9-Pin Remote Control 2-7
  2-1-14. Framing Servo System 2-7
  2-1-15. High-precision Audio Editing 2-7
  2-1-16. Detail Enhancer Circuit 2-7
  2-1-17. Jog and Shuttle Search 2-7
  2-1-18. Flying Erase Head 2-8
2-2. ERROR DISPLAYS 2-8
2-3. SPECIAL DISPLAYS 2-9
  2-3-1. Hour Meter Display 2-9
  2-3-2. ROM Version Display 2-9
  2-3-3. Hour Meter Reset 2-9
2-4. SERVO REFERENCE 2-10
2-5. CONNECTOR SIGNALS 2-11
2-6. DIMENSIONS 2-12

2-1. DESCRIPTION OF FUNCTIONS

2-1-1. S-VHS system

S-VHS is a newly developed video system designed for the video information age. It is based on the VHS video system that has gained wide acceptance throughout the world, and it incorporates technology which yields a higher resolution and higher picture quality.
When an S-VHS VTR is used in combination with the newly developed high-performance S-VHS video cassettes, the picture quality is vastly improved with a horizontal resolution of more than 400 lines and with a higher degree of clarity and greater realism.
Recording and playback featuring a high picture quality are possible using video cassettes with the S-VHS mark while conventional recording and playback can be enjoyed using video cassettes bearing the VHS mark.

2-1-2. Video tape compatibility

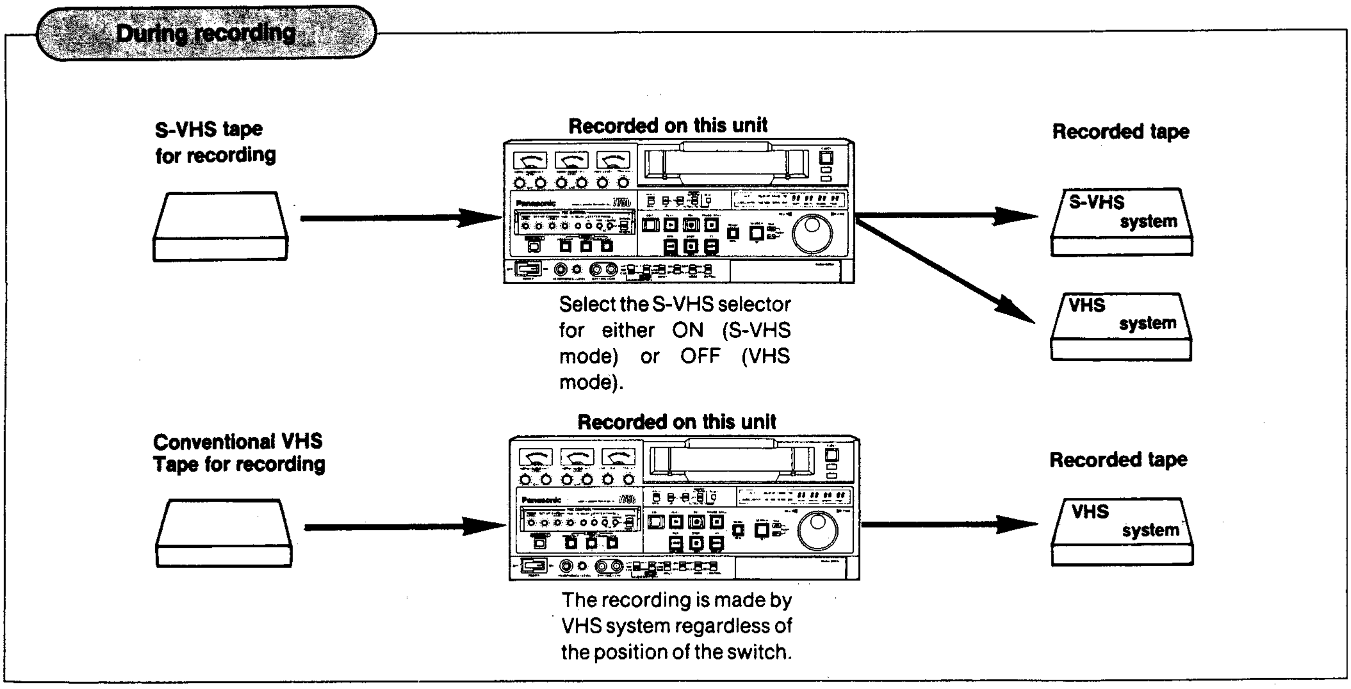

During recording
S-VHS tape for recording
Recorded on this unit
Recorded tape
S-VHS system
VHS system
Select the S-VHS selector for either ON (S-VHS mode) or OFF (VHS mode).
Conventional VHS Tape for recording
Recorded on this unit
Recorded tape
VHS system
The recording is made by VHS system regardless of the position of the switch.

Figure T1

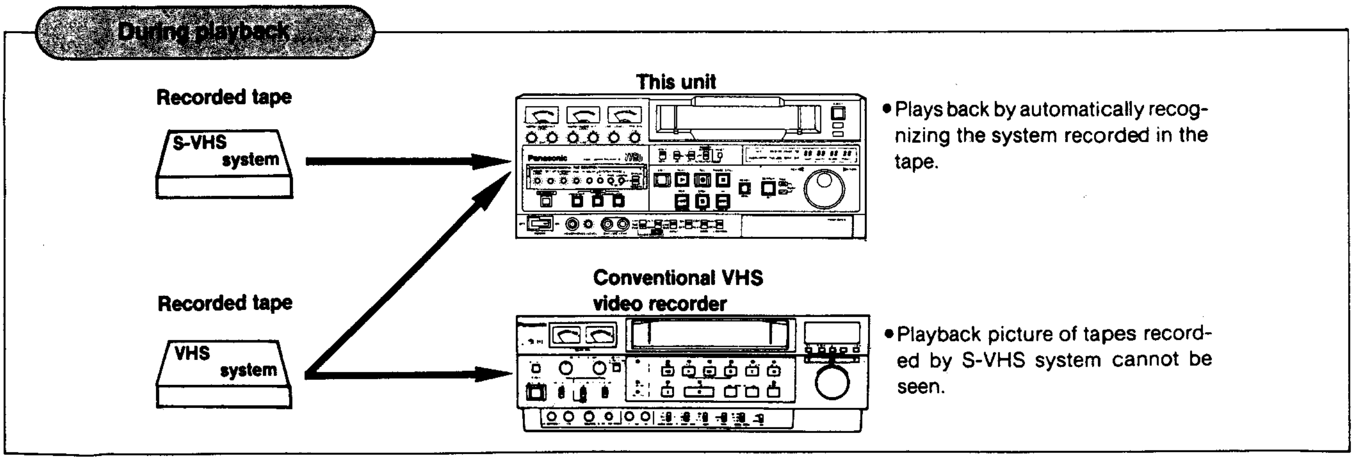

During playback
Recorded tape
S-VHS system
This unit
• Plays back by automatically recognizing the system recorded in the tape.
Recorded tape
VHS system
Conventional VHS video recorder
• Playback picture of tapes recorded by S-VHS system cannot be seen.

Figure T2

2-1-3. Comparison between S-VHS and VHS systems

As shown in the figure below, the S-VHS system features the following significant improvements over the conventional VHS system.

- * Frequency deviation : 3.4MHz-4.4MHz-5.4MHz-7MHz
- * FM luminance band : Approx.3.2MHz-approx.5.5MHz
- * Resolution : Approx.240 lines-Over 400 lines

However, since the signal-to-noise ratio deteriorates as the band is expanded as above, the S-VHS system features the following measures to prevent such deterioration.

- * Introduction of sub-emphasis circuit at the stage before the conventional main emphasis circuit
- * Adoption of newly developed magnetic S-VHS tape optimally suited to S-VHS system

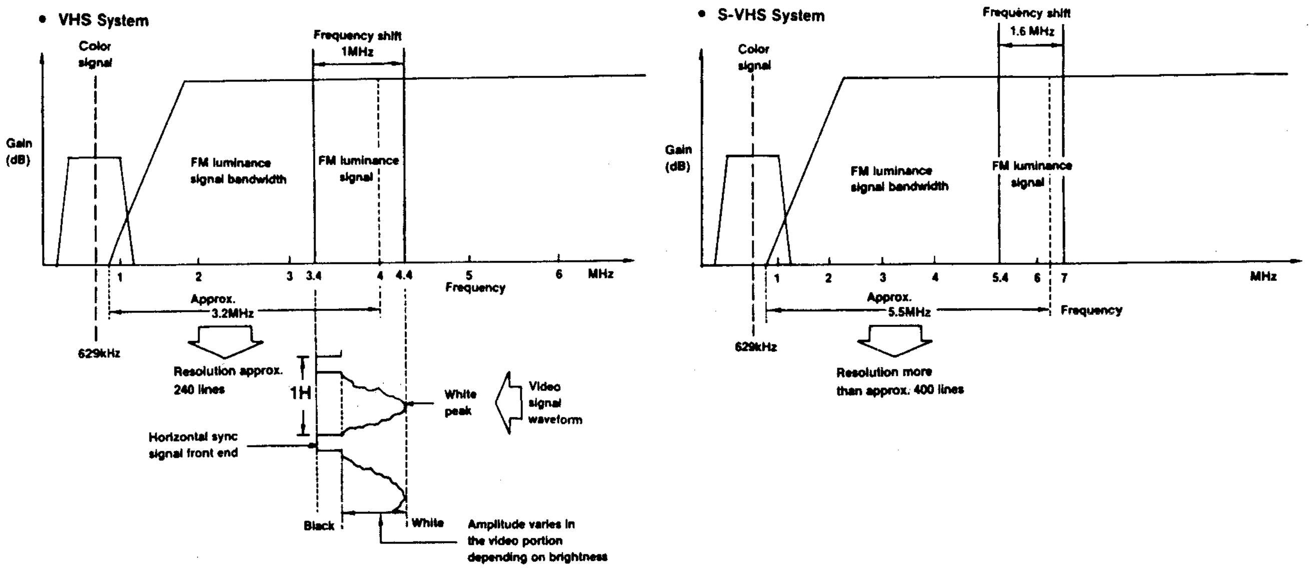

• VHS System
Color signal
Frequency shift 1MHz
Gain (dB)
FM luminance signal bandwidth
FM luminance signal
1
2
3
3.4
4
4.4
5
6
MHz
Frequency
Approx. 3.2MHz
629kHz
Resolution approx. 240 lines
1H
White peak
Video signal waveform
Horizontal sync signal front end
Black
White
Amplitude varies in the video portion depending on brightness
• S-VHS System
Color signal
Frequency shift 1.6 MHz
Gain (dB)
FM luminance signal bandwidth
FM luminance signal
1
2
3
4
5.4
6
7
MHz
Approx. 5.5MHz
Frequency
629kHz
Resolution more than approx. 400 lines

Figure T3

- * A tape recorded by the S-VHS system of this unit cannot be played back on a VTR using only the VHS system.
- * However, the units recording system is compatible with the conventional VHS system so that its tapes can be played back even on a conventional VHS VTR. Also, tapes recorded on a conventional VHS VTR can be played back on this unit.
- * Use a tape recorded on the standard mode when playing back a tape which has been recorded on another VHS type of VTR. In this case, the noise level may increase in the still picture, slow motion, fast forward or fast rewind playback mode.
- * Before recording something important or memorable (such as a wedding), be sure to stage a test and check that the sound and pictures are being recorded properly.
- * While the video camera, VTR or video tape is being used, the manufacture makes no guarantees as to the content of a recording in the event that trouble or malfunctioning should occur to prevent or interfere with that recording.
- * High picture quality VHS technology has been incorporated in VTRs bearing the HQ mark.
- * A high picture quality will be obtained by playing back in this machine a tape which has been recorded in a VTR bearing the HQ mark. Compatibility is featured with conventional VHS VTRs.

2-1-4. Logical comb filter

The conventional problem of 1H delay in the luminance signal and 1H color delay in the chrominance signal is solved with the use of logical comb filters in the luminance signal and chrominance signal circuits to make for a clear picture quality as result.

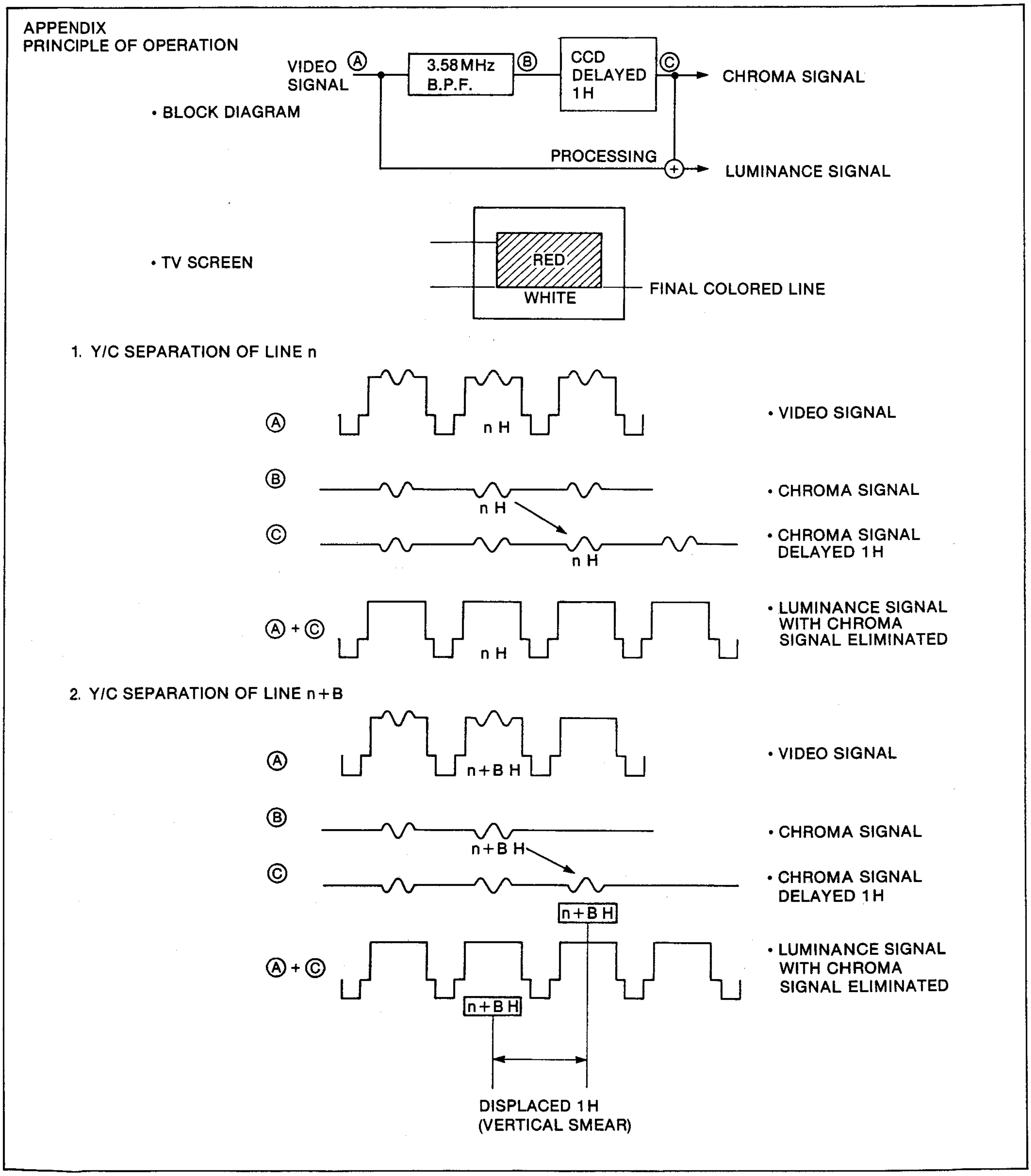

APPENDIX
PRINCIPLE OF OPERATION
• BLOCK DIAGRAM
VIDEO SIGNAL Ⓐ
3.58MHz B.P.F.
Ⓑ
CCD DELAYED 1H
Ⓒ
CHROMA SIGNAL
PROCESSING
+
LUMINANCE SIGNAL
• TV SCREEN
RED
WHITE
FINAL COLORED LINE
1. Y/C SEPARATION OF LINE n
Ⓐ
n H
• VIDEO SIGNAL
Ⓑ
n H
• CHROMA SIGNAL
Ⓒ
n H
• CHROMA SIGNAL DELAYED 1H
Ⓐ+Ⓒ
n H
• LUMINANCE SIGNAL WITH CHROMA SIGNAL ELIMINATED
2. Y/C SEPARATION OF LINE n+B
Ⓐ
n+B H
• VIDEO SIGNAL
Ⓑ
n+B H
• CHROMA SIGNAL
Ⓒ
n+B H
• CHROMA SIGNAL DELAYED 1H
Ⓐ+Ⓒ
n+B H
• LUMINANCE SIGNAL WITH CHROMA SIGNAL ELIMINATED
DISPLACED 1H
(VERTICAL SMEAR)

Figure T4

2-1-5. CAC (chroma aparture compensator) circuit

Expansion of the color signal processing filter band and the application of a CAC circuit are two other methods used to achieve a clear picture quality with reduced color signal blur.

2-1-6. Built-in external sync TBC (time base corrector)

Jitter (screen instability = instability of luminance signals and of color signals) produced by tape run and skew (a phenomenon where the top part of the picture is bent horizontally) can both be eliminated by applying 13.5MHz, 8-bit full-fledged digital technology in the creation of a digital time base corrector which compensates properly for the time base error in the video signals and plays back stable pictures. High-speed control is made possible by a feed-forward control system, and knocking (a phenomenon where part of the picture is distorted) produced by the impact of the rotary heads is reduced. Furthermore, by replacing the burst signal and sync signal, it is possible to provide stable video signals and safeguard against the kind of deterioration in the sync signals which is generated by dubbing, to lock the internal TBC signals to the sync and color sync signals by supplying the reference signal from an external source, and also to develop systems endowed with the capability of AB roll editing and other forms of multiple synchronized operations.

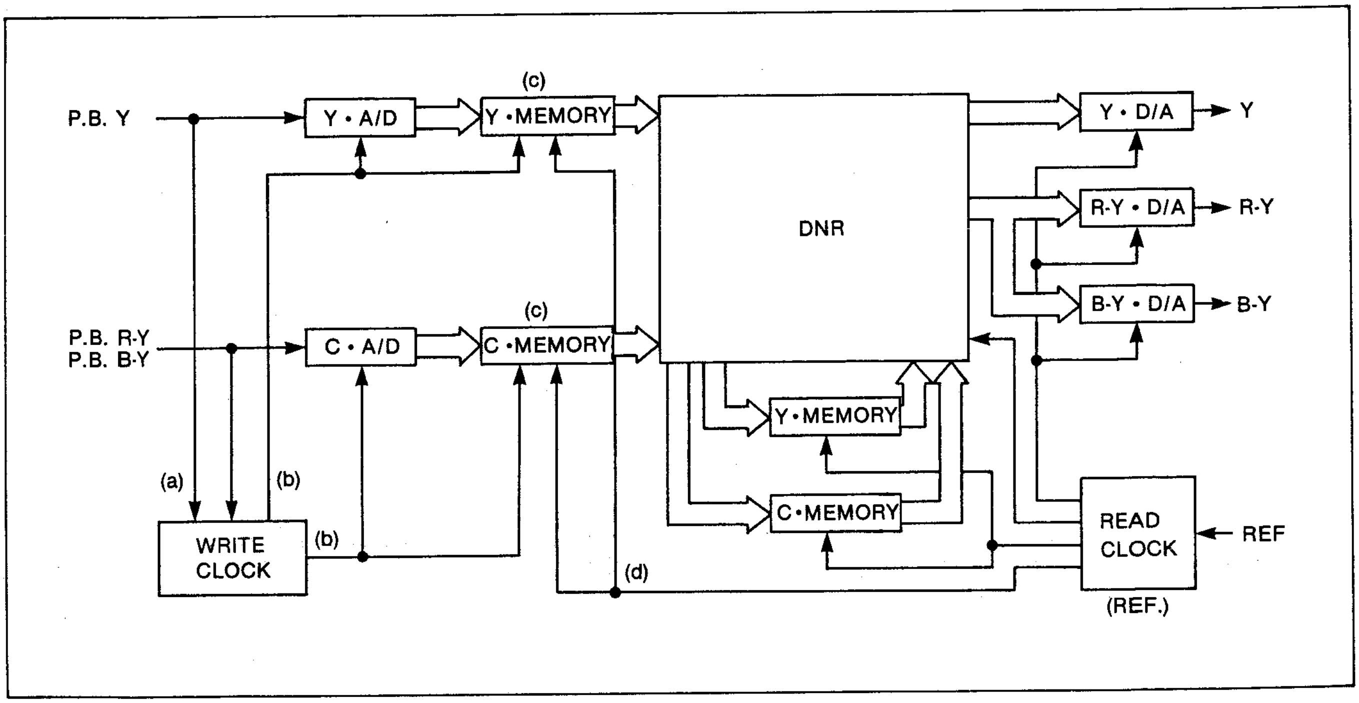

P.B. Y
Y • A/D
(c)
Y •MEMORY
DNR
Y • D/A
Y
R-Y • D/A
R-Y
B-Y • D/A
B-Y
P.B. R-Y
P.B. B-Y
C • A/D
(c)
C •MEMORY
Y•MEMORY
C•MEMORY
(a)
(b)
WRITE CLOCK
(b)
(d)
READ CLOCK
REF
(REF.)

Figure T5

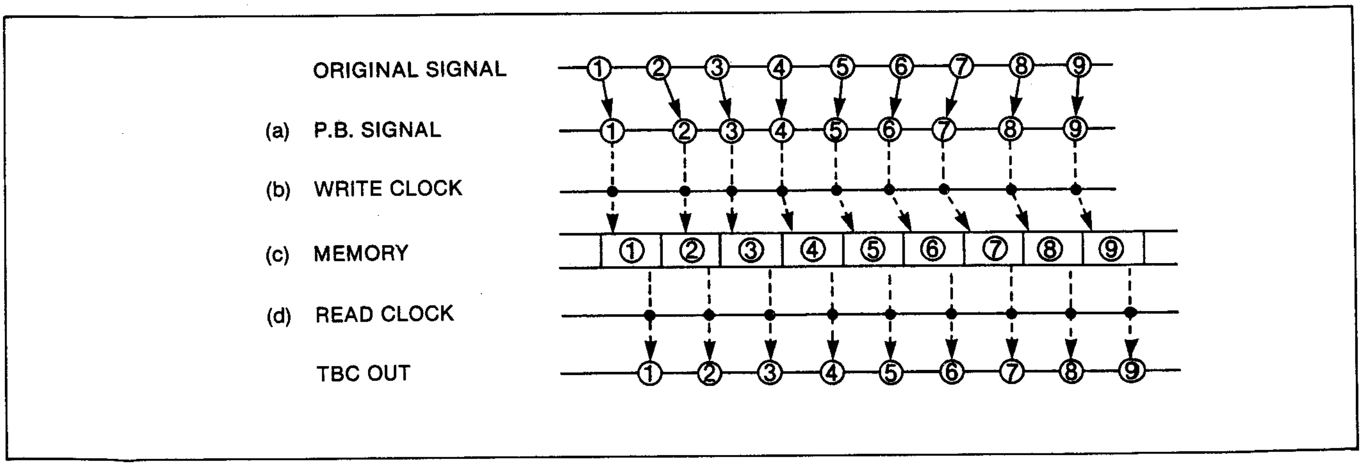

ORIGINAL SIGNAL
(a) P.B. SIGNAL
(b) WRITE CLOCK
(c) MEMORY
(d) READ CLOCK
TBC OUT
①
②
③
④
⑤
⑥
⑦
⑧
⑨

Figure T6

2-1-7. DNR (digital noise reducer)

Over and above the TBC, the units digital section comes with a DNR (digital noise reducer) so that by adopting a 1-field digital memory circuit, it is possible to eliminate field-correlated noise.
The units DNR facility is featured for both the luminance and chrominance signals. This makes independent operation possible in accordance with the picture quality level of the source tape and is particularly effective with the playback of software tapes in which the S/N ratio has deteriorated.

[NOTE]

During editing, the DNR switch should be off to avoid reduce of the resolution.

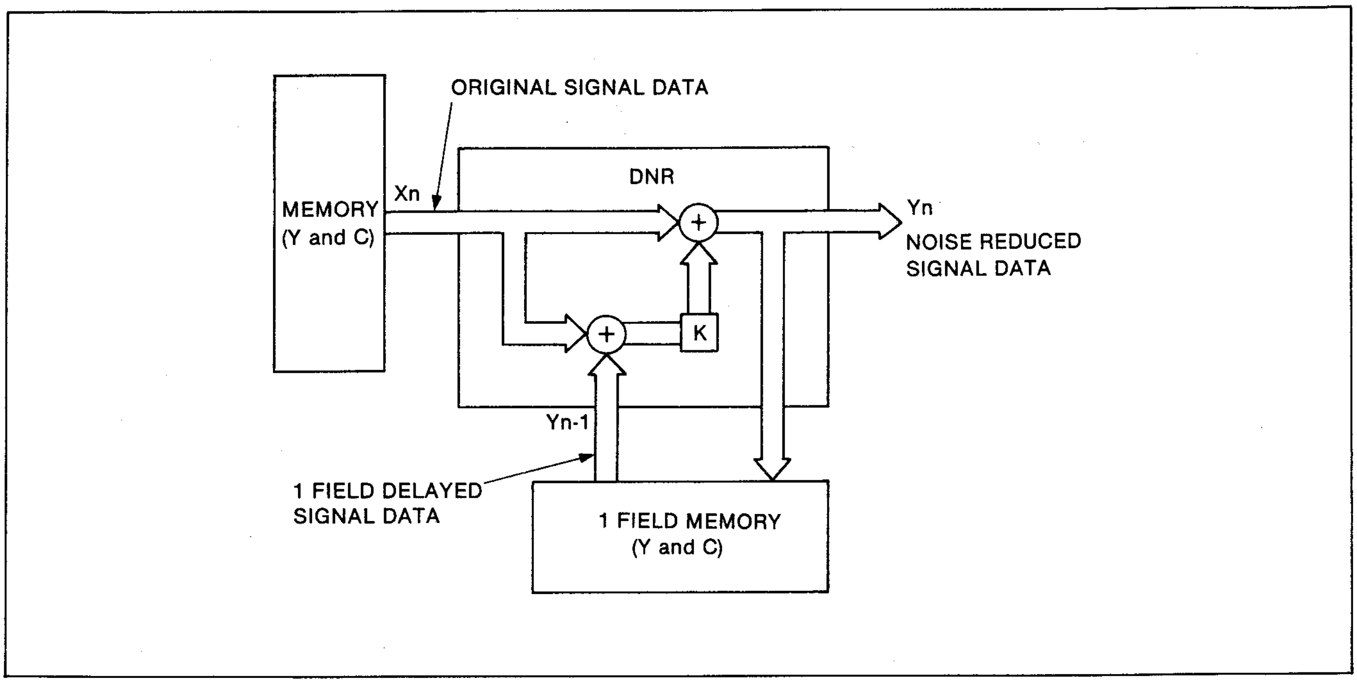


Figure T7

2-1-8. Time code editing

Various forms of time code editing can be achieved by installing the optional time code board.

- * It is possible to record and play back the LTC (longitudinal time code) using the linear audio CH2 track, and VITC (vertical interval time code) and conduct editing operations with a high degree of precision which befits a 9-pin system.
- * Since only the LTC signal or only the VITC signal can be recorded, the VITC time code signals can still be recorded even when linear audio CH2 track is used for normal sound.
- * Setting of the users bit (UB) is possible. The tape number, date or any other information required for the automatic transmission of programs can be set as desired.
- * Drop and non-drop frame setting facilities are available, and it is possible to make non-drop frame settings which are easy to calculate.
- * During editing, the REGEN (regeneration) function provides continuity for the time code before and after the recording start point.
- * The ingenious development of software has made it possible to read out the VITC at speeds ranging from still picture to 10x.
- * When the time code editing is performed with using only the VITC signal, the linear audio CH2 track can be used as a normal or a Hi-Fi audio track.
- * By performing the VITC editing, a precision editing of +/-0 can be kept while a perfect continuity of the editing points, IN and OUT points, is available.

2-1-9. XLR connectors

The XLR connectors which are provided as the audio input and output connectors prove themselves to be effective against noise.
Level setting can be made independently to +4 dB, 0 dB or -6 dB for the input and output signals.
(The input impedance can also be set using an internal switch to 600 ohm or high impedance. For details, please contact your dealer.)

2-1-10. AI servo

Using an AI servo (multiple periodic learning servo) system, a capstan with a large diameter (shaft diameter of approx. 9 mm which is 2.6 times larger than that used conventionally) can be adopted and search operations conducted at speeds ranging from 1/25x to 32x normal tape speed. This helps to cut down the time taken to access the edit points.

Despite the fact that the capstan has a large diameter, the AI servo system uses digital technology to successively learn about the chronological patterns in the occurrence of fluctuations in the rotational speed of the motor from the conditions under which those fluctuations occurred, and from what it has learned it acts to control the motor. By so doing, the level of wow is reduced compared with conventional machines.

Furthermore, in the jog mode this feature enables slow playback from still picture to 1/25x normal tape speed and also playback at varying speeds up to 1x normal tape speed in the forward or reverse direction.

2-1-11. Full loading mechanism

This units full loading mechanism (a construction which winds the tape around the rotary cylinder in the stop status) makes it possible to transmit a playback picture from the stop mode in less than 1 second.

2-1-12. Technology for reduced jitter

Jitter denotes signal instability caused mainly by movement of the mechanisms or by disturbances in the tape transport system. In terms of the picture displayed on the screen, it produces small and rapid aberrations in the stationary images and unevenness in color, and it impairs the essential elements of picture quality. The techniques listed below have been incorporated in this machine to reduce this phenomenon.

* 16-bit digital servo system for reducing the low-range jitter caused by damping errors in the circuitry system
* Bearings in posts P2 and P3 for improving the low-range jitter caused by post eccentricity
* Twin projections for the start and end areas of the head cylinder where the tape makes contact for reducing the tape vibration caused by head knocking and improving the noise level and bending of the picture
* Large-sized, brass impedance rollers for absorbing the tape vibrations generated from the supply reel to the cylinder and for reducing medium-range jitter.

2-1-13. 9-pin remote control

The incorporation of the RS-422A remote control system makes it possible to configure a system with the optionally available AG-A800 editing controller and conduct high-grade automatic editing.

2-1-14. Framing servo system

The framing servo system serves to adjust the playback signal frame H and recording signal H to the same phase to enable neat and accurate editing without frame disturbances arising at the edit start and end points.

2-1-15. High-precision audio editing

This machines achieves an audio editing precision equivalent to 1 frame compared with the editing timing of the video signals. A highly precise timing of less than 1 frame has been secured for the intro and overlap at the edit points.

2-1-16. Detail enhancer circuit

In the VHS mode, when ripples on the surface of water or a womans long hair streaming in the wind is shown on the screen, the tendency is for the images to stick together and lack the quality of flowing. This tendency has been suppressed in this mode by incorporating a detail enhancer circuit which serves to record the picture with the frequency signals enhanced within a given range (by approx. 4 dB above the 1.5MHz frequency and below video level 10 (IRE)). This results in the reproduction of pictures which are clear down to the last detail.

2-1-17. Jog and shuttle search

* Double DD reel motor
  This feature ensures that the tape travels smoothly in both the forward and reverse directions, and the mechanism itself has excellent speed responsiveness.

* Microcomputer-controlled variable speed playback
  Material can be played back at speeds which can be controlled by the rotational angle of the shuttle dial or by the rotational direction and speed at which the jog dial is turned. This is particularly effective in achieving frame alignment when searching for edit points.

2-1-18. Flying erase head

On the rotating head cylinder, this erase head is mounted ahead of the recording head. In other words, since only the track which is to be recorded by the recording head is erased by the erase head, noise and excessive erasure do not arise and color striping beat is completely suppressed to yield trouble-free editing. Moreover, the rotary heads are controlled by a microcomputer which also contributes to enhancing precision during the editing process.

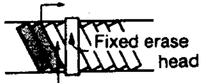
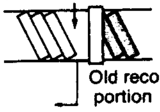
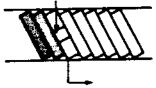
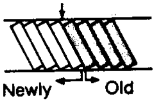
Erasing method	Erase pattern	
	Portion corresponding to beginning of recording	Portion corresponding to end of recording
Full erase using fixed erase head	← Tape travel direction Newly recorded portion  Fixed erase head Color stripes appear due to overwriting of new recording on old recording	Signal has been erased, hence blank portion appears  Old recorded portion Newly recorded portion
Flying erase due to rotary head	← Tape travel direction Rotary erase head  Newly recorded portion	Picture is joined cleanly  Newly recorded portion Old recorded portion

Figure T8

2-2. ERROR DISPLAYS

When an error appearson the counter display, it means that a malfunction has occurred in the unit. When this happens, terminate operation without delay and remedy the trouble by following the instructions in the Instruction Manual.

Error display	Problem	Remedy
d	Condensation	Leave power on and wait until error display is cleared (see MEMO below).
E- 0	Fan motor locked	Contact your dealer.
E- 2	Elevator locked	Contact your dealer.
E- 3	Loading locked	Contact your dealer.
E- 4	Cylinder locked	Contact your dealer.
E- 5	Reel locked	Contact your dealer.
E- 6	Abnormal tension	Contact your dealer.

Figure T9

2-3. SPECIAL DISPLAYS

[NOTE]

Immediately after the Panasonic logo is superimposed on the monitor TV, the POWER switch is turned on. During this period, the following special displays are not appear on the monitor TV and/or counter display.
In this case, set the SEARCH dial mode switch to SEARCH position and push the STOP button then the Panasonic logo is disappeared.

2-3-1. Hour Meter Display

1. Set the CONTROL switch to REMOTE.
2. Set the SEARCH dial mode switch to MENU.
3. Push the RESET button.
4. Then the Drum on total time and Capstan in total time are displayed on the monitor TV and counter display alternately while the RESET button is kept depressed.

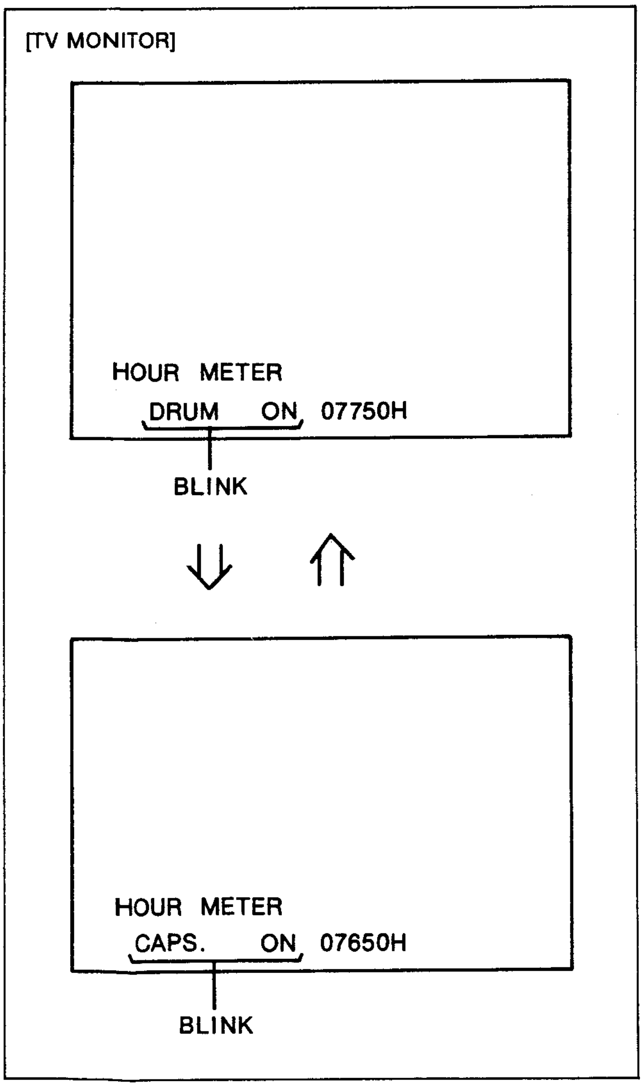

[TV MONITOR]
HOUR METER
DRUM ON 07750H
BLINK
HOUR METER
CAPS. ON 07650H
BLINK

Figure T10

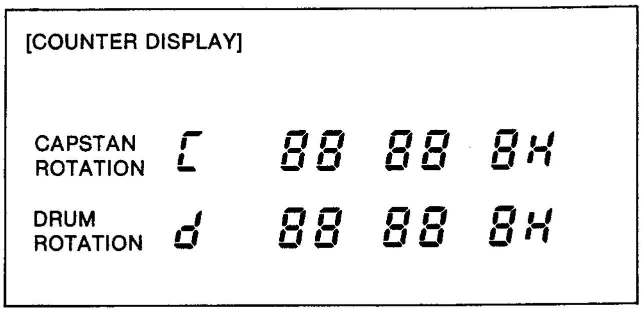

[COUNTER DISPLAY]
CAPSTAN ROTATION
C 88 88 8H
DRUM ROTATION
d 88 88 8H

Figure T11

2-3-2. ROM Version Display

1. Eject a cassette tape.
2. Set the CONTROL switch to REMOTE.
3. Set the SEARCH dial mode switch to SEARCH.
4. Push the PLAY button together with RESET button.
5. Then the virsion of Interface ROM is displayed on the monitor TV while the PLAY button together with RESET button are kept depressed.

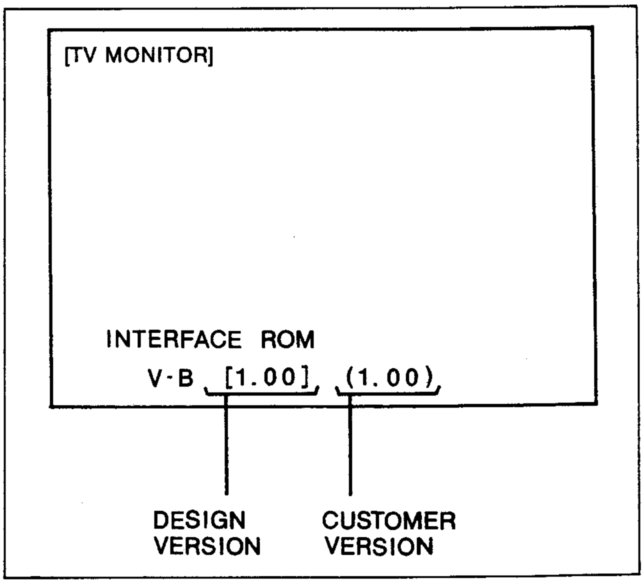

[TV MONITOR]
INTERFACE ROM
V-B [1.00] (1.00)
DESIGN VERSION
CUSTOMER VERSION

Figure T12

2-3-3. Hour Meter Reset

A. Drum on time reset

1. Turn the power switch off.
2. Connect a jumper wire between TP1 and TP2 on the Interface C.B.A.
3. Set the CONTROL switch to REMOTE.
4. Turn the power switch on while push the STOP button together with FF button.

B. Capstan on time reset

1. Turn the power switch off.
2. Connect a jumper wire between TP1 and TP2 on the Interface C.B.A.
3. Set the CONTROL switch to REMOTE.
4. Turn the power switch on while push the STOP button together with REW botton.

2-4. SERVO REFERRENCE

This unit automatically selects the input video signal selected by the INPUT switch, the REF VIDEO signal supplied from the REF IN connector or the internal sync signal (INT) as the servo reference signal.
Figure D13, D14 show the relationship between the units modes and posiotions of the SYNC SELECT switch.

■ **When the VTR mode is PLAY and TBC is ON**

SYNC SELECT switch position	Input signal mode		Reference signal
	VIDEO IN signal	REF IN signal	
NORM	○	○	REF IN signal
	○	×	INT sync signal
	×	○	REF IN signal
	×	×	INT sync signal
EXT	○	○	REF IN signal
	○	×	INT sync signal
	×	○	REF IN signal
	×	×	INT sync signal

Figure T13

■ **Other cases**

SYNC SELECT swich position	Input signal mode		Reference signal
	VIDEO IN signal	REF IN signal	
NORM	○	○	VIDEO IN signal
	○	×	VIDEO IN signal
	×	○	REF IN signal
	×	×	INT sync signal
EXT	○	○	REF IN signal
	○	×	INT sync signal
	×	○	REF IN signal
	×	×	INT sync signal

"O": signal is supplied; "X": signal is not supplied.

Figure T14

2-5. CONNECTOR SIGNALS

DUB IN/OUT connectors

Pin no.	Description of signal
1	Dubbing Y input/output
2	GND
3	Head switching pulse
4	GND
5	Dubbing C input/output
6	GND
7	Dubbing control L (L when connected)

S-VIDEO IN/OUT connectors (4P)

Pin no.	Description of signal
1	Y GND
2	C GND
3	Y signal
4	C signal

TBC REMOTE connector (15P)

Pin no.	Description of signal
1	————
2	SET UP
3	C LEVEL
4	GND
5	+ 12 V
6	SYSTEM HΦ
7	SYS. SC COARSE (2)
8	– 12 V
9	HUE
10	VIDEO LEVEL
11	RET GND
12	————
13	————
14	SYS. SC FINE
15	SYS. SC COARSE (1)

AUDIO IN/OUT connectors (XLR)

Pin no.	Description of signal
1	GND
2	HOT
3	COLD

REMOTE 9P connector

Pin no.	Description of signal
1	GND
2	TRANSMIT A
3	RECEIVE B
4	RECEIVE COMMON
5	SPARE
6	TRANSMIT COMMON
7	TRANSMIT B
8	RECEIVE A
9	GND

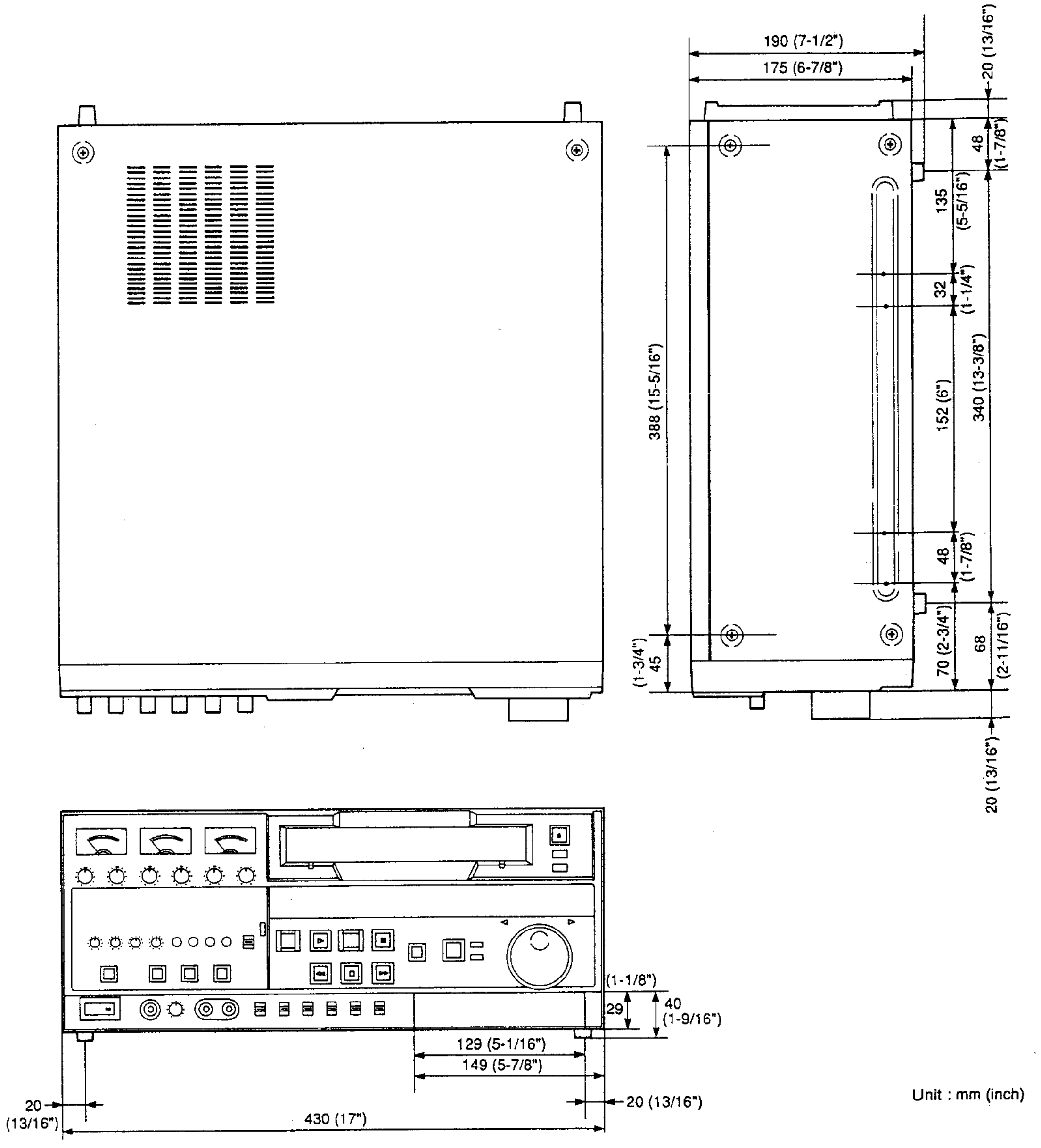
REMOTE 34P connector

Pin no.	Description of signal
1	REC SWITCH
2	PLAY SWITCH
3	FF SWITCH
4	REW SWITCH
5	STOP SWITCH
6	————
7	PAUSE SWITCH
8	CASSETTE IN SWITCH
9	CUT IN SWITCH
10	————
11	SERVO LOCK
12	GND
13	SWITCH STEP
14	REVERSE COUNT
15	CUT OUT SWITCH
16	EDIT SWITCH
17	REVERSE IN
18	CONTROL PULSE OUT
19	REMOTE 19
20	START MARK
21	EJECT SWITCH
22	INSERT CH1
23	REC HOLD
24	PLAY HOLD
25	FF HOLD
26	REW HOLD
27	INSERT CH2
28	————
29	PAUSE HOLD
30	REMOTE 30
31	CUT IN HOLD
32	INSERT VIDEO
33	REMOTE 33
34	+ 12 V

- The HOLD output signals are open collector signals.

Figure T15

2-6. DIMENSIONS


190 (7-1/2")
175 (6-7/8")
20 (13/16")
48 (1-7/8")
135 (5-5/16")
32 (1-1/4")
152 (6")
340 (13-3/8")
48 (1-7/8")
70 (2-3/4")
68 (2-11/16")
20 (13/16")
388 (15-5/16")
45 (1-3/4")
(1-1/8")
29
40 (1-9/16")
129 (5-1/16")
149 (5-7/8")
20 (13/16")
20 (13/16")
430 (17")

Unit : mm (inch)

Section 3

DISASSEMBLY PROCEDURES

CONTENTS

3-1. DISASSEMBLY FLOW CHART 3-2

3-2. DETAILED DISASSEMBLY METHOD 3-3

3-2-1. Removal of the Top Panel 3-3
3-2-2. Removal of the Side Panels 3-3
3-2-3. Removal of the Bottom Plofe 3-3
3-2-4. Removal of the Rear Panel 3-3
3-2-5. Removal of the Front Panel 3-4
3-2-6. Removal of the Keyboard C.B.A. 3-4
3-2-7. Opening of the Audio (1) C.B.A. and Audio (2) C.B.A. 3-4
3-2-8. Removal of the Sub Video C.B.A. 3-5
3-2-9. Removal of the Mother C.B.A. Support Angle (2) 3-5
3-2-10. Removal of the TBC (1) C.B.A. and TBC (2) C.B.A. 3-5
3-2-11. Removal of the TBC (3) C.B.A. 3-5
3-2-12. Removal of the Mother C.B.A. Support Angle (1) 3-5
3-2-13. Removal of the Interface C.B.A. 3-5
3-2-14. Removal of the Servo & System Control C.B.A. 3-5
3-2-15. Removal of the Video Head Amp C.B.A. 3-6
3-2-16. Removal of the Power Unit 3-6
3-2-17. Removal of the Sub Power C.B.A. 3-6
3-2-18. Opening of the Video REC C.B.A. and Video PB C.B.A. 3-6
3-2-19. Opening of the Motor Drive C.B.A. 3-7
3-2-20. Removal of the Mother (1) C.B.A. 3-7
3-2-21. Removal of the Mother (2) C.B.A. 3-7
3-2-22. Removal of the Front Connect C.B.A. 3-8
3-2-23. Removal of the Pocket Switch C.B.A. 3-8
3-2-24. Removal of the Cassette Compertment Unit 3-9

SCREWS 3-10

3–1. DISASSEMBLY FLOW CHART

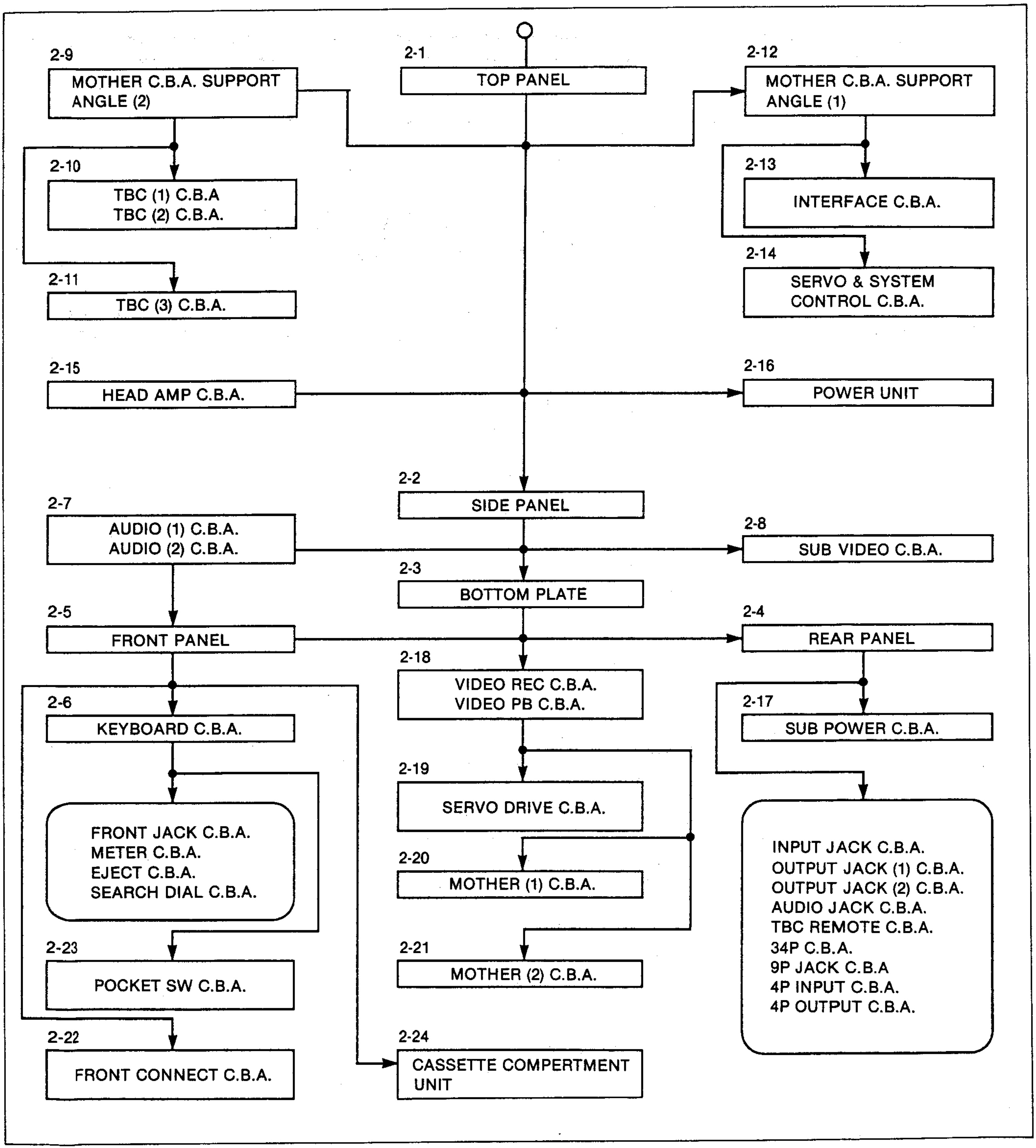

2-1
TOP PANEL
2-9
MOTHER C.B.A. SUPPORT ANGLE (2)
2-12
MOTHER C.B.A. SUPPORT ANGLE (1)
2-10
TBC (1) C.B.A
TBC (2) C.B.A.
2-13
INTERFACE C.B.A.
2-14
SERVO & SYSTEM CONTROL C.B.A.
2-11
TBC (3) C.B.A.
2-15
HEAD AMP C.B.A.
2-16
POWER UNIT
2-2
SIDE PANEL
2-7
AUDIO (1) C.B.A.
AUDIO (2) C.B.A.
2-8
SUB VIDEO C.B.A.
2-3
BOTTOM PLATE
2-5
FRONT PANEL
2-4
REAR PANEL
2-18
VIDEO REC C.B.A.
VIDEO PB C.B.A.
2-6
KEYBOARD C.B.A.
2-17
SUB POWER C.B.A.
2-19
SERVO DRIVE C.B.A.
FRONT JACK C.B.A.
METER C.B.A.
EJECT C.B.A.
SEARCH DIAL C.B.A.
2-20
MOTHER (1) C.B.A.
INPUT JACK C.B.A.
OUTPUT JACK (1) C.B.A.
OUTPUT JACK (2) C.B.A.
AUDIO JACK C.B.A.
TBC REMOTE C.B.A.
34P C.B.A.
9P JACK C.B.A
4P INPUT C.B.A.
4P OUTPUT C.B.A.
2-23
POCKET SW C.B.A.
2-21
MOTHER (2) C.B.A.
2-22
FRONT CONNECT C.B.A.
2-24
CASSETTE COMPERTMENT UNIT

Figure D1

The above flow chart describes the order of steps for removing the cabinet parts and certain printed circuit boards in order to gain access to the items needing servicing. To reassemble the unit, follow the steps in reverse order.

3–2. DETAILED DISASSEMBLY METHOD

3–2–1. Removal at the Top Panel

1. Unscrew the 2 screws (A) on the Top Panel (Figure D2).
2. Careful lift the rear of the case and side it off the back of the unit.

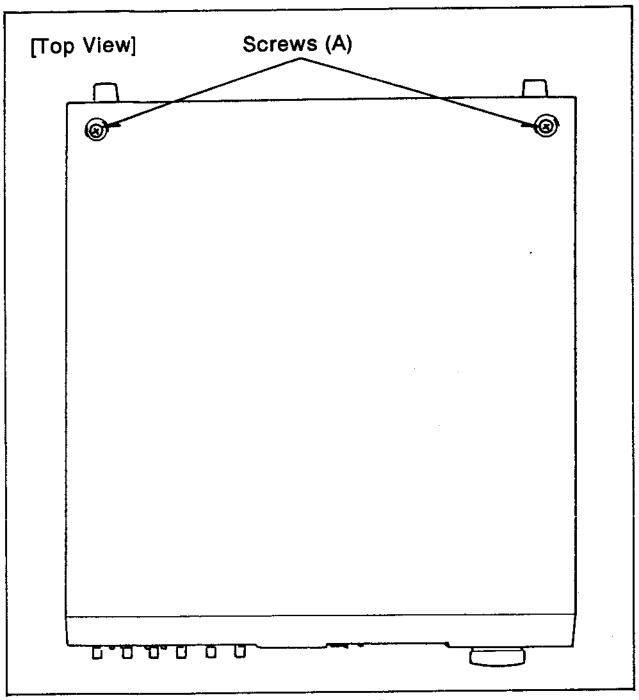

[Top View]
Screws (A)

Figure D2

3–2–2. Removal of the Side Panels

1. Unscrew the 8 screws (B) on the Side Panels (Figure D3).
2. Lift the Side Panels.

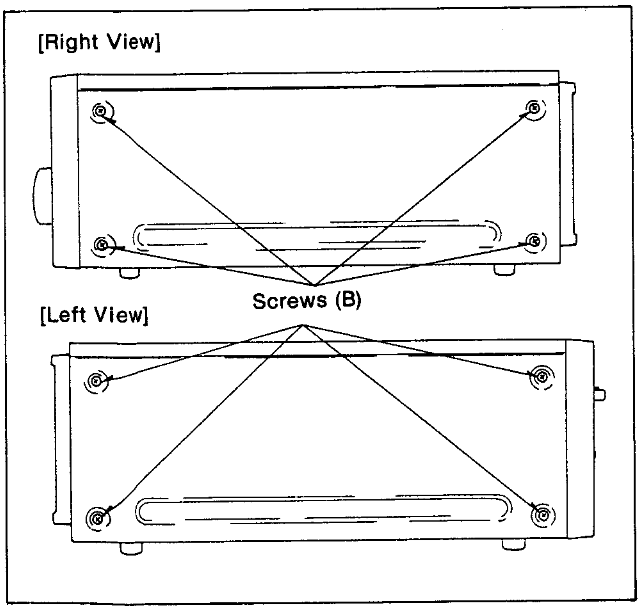

[Right View]
[Left View]
Screws (B)

Figure D3

3–2–3. Removal of the Bottom Plate

1. Unscrew a screw (C–1) and the 8 screws (C–2) on the Bottom Plate (Figure D4).
2. Lift the Bottom Plate.

*Note: Do not remove the 4 rubber feet.

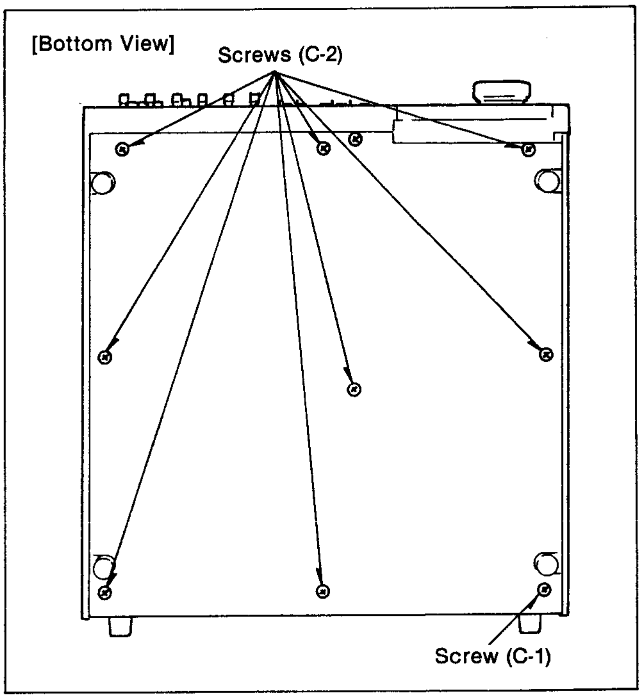

[Bottom View]
Screws (C-2)
Screw (C-1)

Figure D4

3–2–4. Removal of the Rear Panel

1. Unscrew the 6 screws (D) on the Rear Panel (Figure D5).
2. Lift the Rear Panel and carefully pull the panel off the unit.

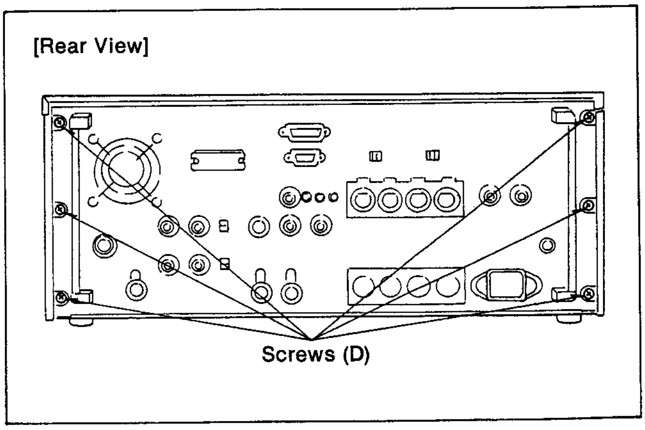

[Rear View]
Screws (D)

Figure D5

3-2-5. Removal of the Front Panel

1. Unscrew the 4 screws (E) on the side angles and the 1 screw (F) on the bottom of the Front Panel (Figure D6 and Figure D7).
2. Lift the Front Panel and carefully pull the panel off from the unit as shown in Figure D8.

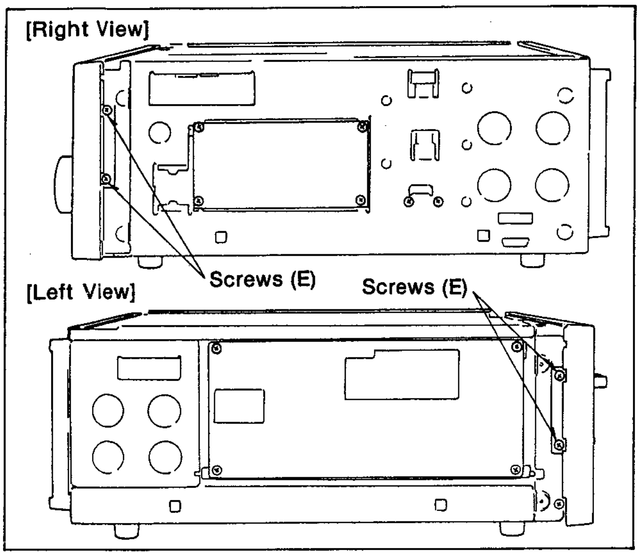

[Right View]
Screws (E)
[Left View]
Screws (E)

Figure D6

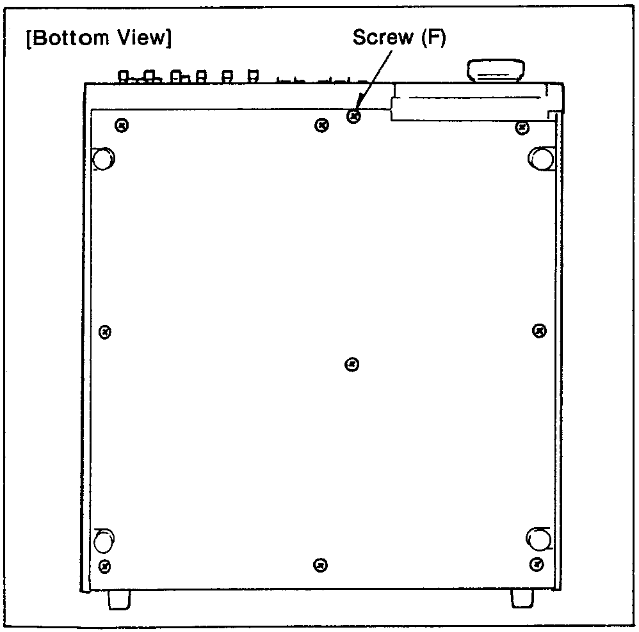

[Bottom View]
Screw (F)

Figure D7

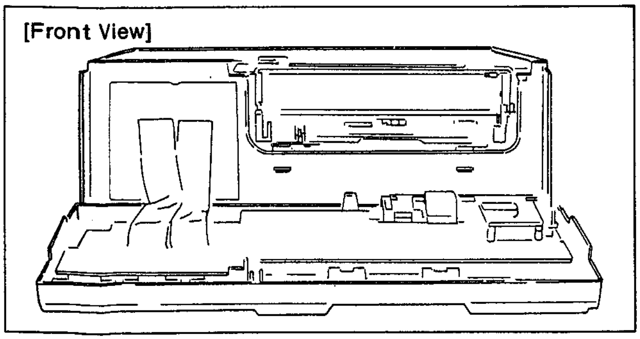


Figure D8

3-2-6. Removal on the Keyboard C.B.A.

1. Pull out the 6 VR knobs (G) on the front panel (Figure D9).
2. Unscrew the 13 screws (H) on the Keyboard C.B.A. and carefully pull out the Keyboard C.B.A. from the unit (Figure D10).

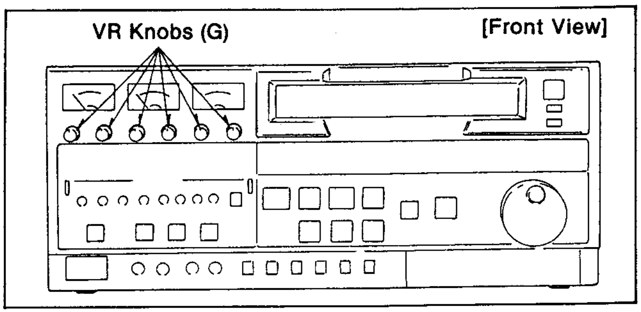

VR Knobs (G)
[Front View]

Figure D9

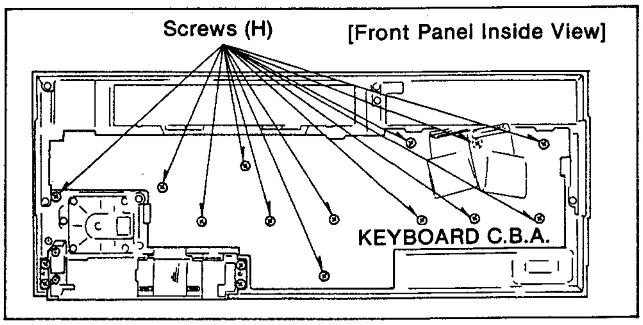

Screws (H)
[Front Panel Inside View]
KEYBOARD C.B.A.

Figure D10

3-2-7. Opening of the Audio (1) C.B.A. and Audio (2) C.B.A.

1. Unscrew the 2 screws (I) on the Audio (1) C.B.A. (Figure D11) and open up the Audio (1) C.B.A. and the Audio (2) C.B.A. as shown in Figure D12.

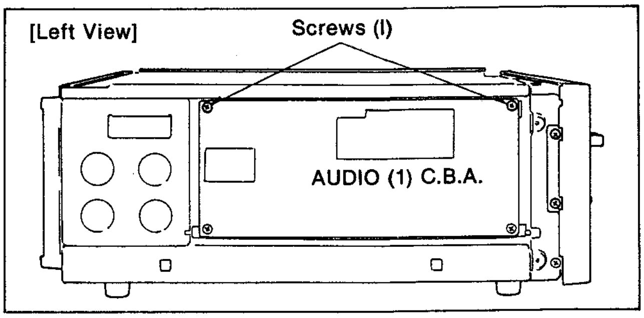

[Left View]
Screws (I)
AUDIO (1) C.B.A.

Figure D11

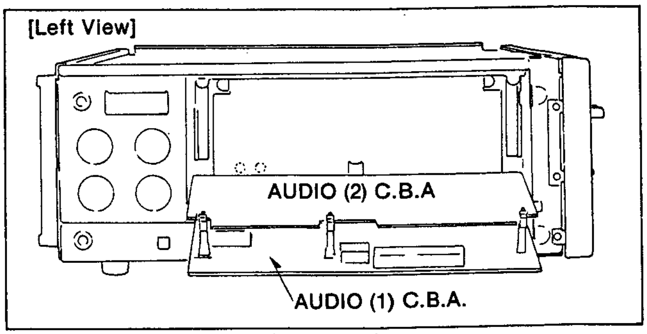

[Left View]
AUDIO (2) C.B.A
AUDIO (1) C.B.A.

Figure D12

3–2–8. Removal of the Sub Video C.B.A.

1. Unscrew the 4 screws (J) on the Sub Video C.B.A. (Figure D13) and carefully pull out the Sub Video C.B.A. from the unit.

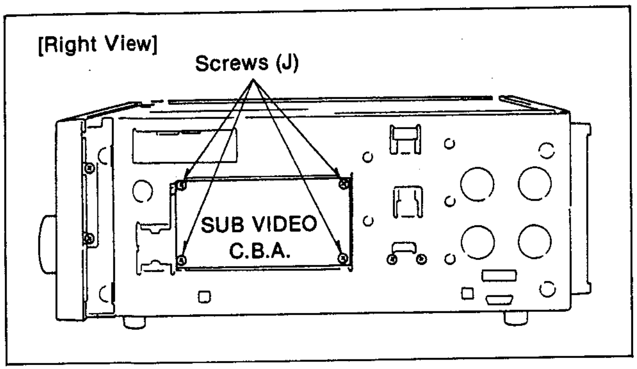

[Right View]
Screws (J)
SUB VIDEO C.B.A.

Figure D13

3–2–9. Removal of the Mother C.B.A. Support Angle (2)

1. Unscrewa screw (K) on the Mother C.B.A. Support Angle (2) (Figure D14) and pull out the Mother C.B.A. Support Angle (2) from the unit.

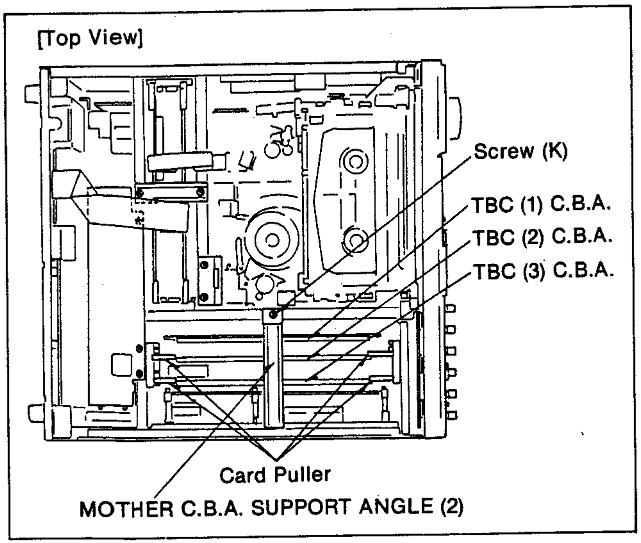

[Top View]
Screw (K)
TBC (1) C.B.A.
TBC (2) C.B.A.
TBC (3) C.B.A.
Card Puller
MOTHER C.B.A. SUPPORT ANGLE (2)

Figure D14

3–2–10. Removal of the TBC (1) C.B.A. and TBC (2) C.B.A.

1. Pull the Levers of card fuller as shown in Figure D14.
2. Carefully pull out the TBC (1) C.B.A. and TBC (2) C.B.A. from the unit.

3–2–11. Removal of the TBC (3) C.B.A.

1. Pull the Levers of card puller as shown in Figure D14.
2. Carefully pull out the TBC (3) C.B.A. from the unit.

3–2–12. Removal of the Mother C.B.A. Support Angle (1)

1. Unscrew the 2 screws (L) on the Mother C.B.A. support Angle (1) (Figure D15) and pull out the Mother C.B.A. Support Angle (1) from the unit.

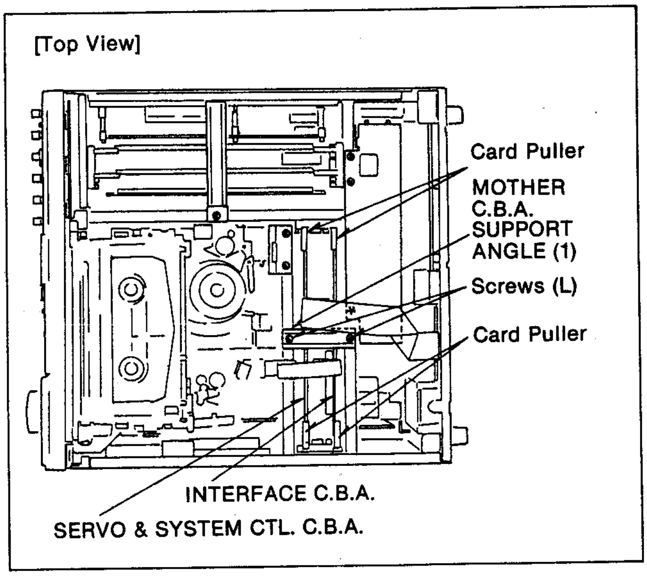

[Top View]
Card Puller
MOTHER C.B.A. SUPPORT ANGLE (1)
Screws (L)
Card Puller
INTERFACE C.B.A.
SERVO & SYSTEM CTL. C.B.A.

Figure D15

3–2–13. Removal of the Interface C.B.A.

1. Pull the Levers of card puller as shown in Figure D15.
2. Carefully pull out the Interface C.B.A. from the unit.

3–2–14. Removal of the Servo & System Control C.B.A.

1. Pull the Levers of card puller as shown in Figure D15.
2. Carefully pull out the Servo & System Control C.B.A. from the unit.

3-2-15. Removal of the Video Head Amp C.B.A.

1. Unscrew the 2 screws (M) on the angle (Figure D16) and carefully pull out the Video Head Amp C.B.A. from the unit.

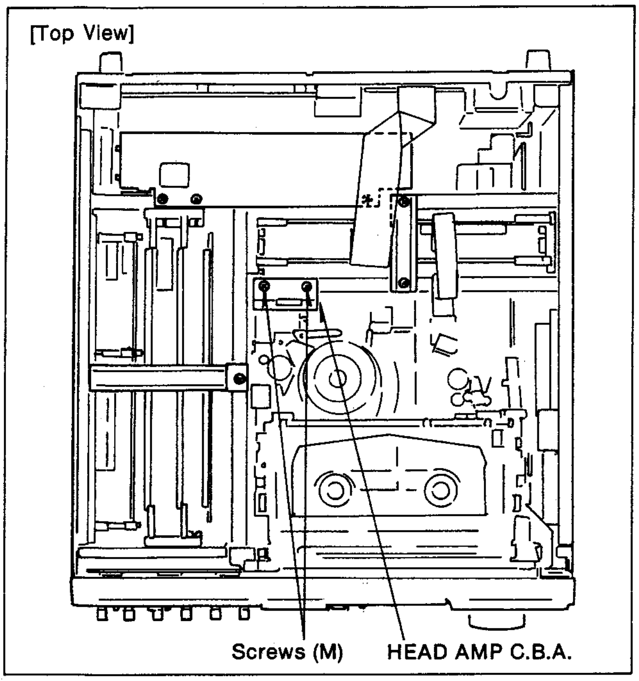

[Top View]
Screws (M)
HEAD AMP C.B.A.

Figure D16

3-2-16. Removal of the Power Unit

1. Unscrew the 3 screws (N) on the Power Unit (Figure D17) and carefully pull out the Power Unit from the unit.

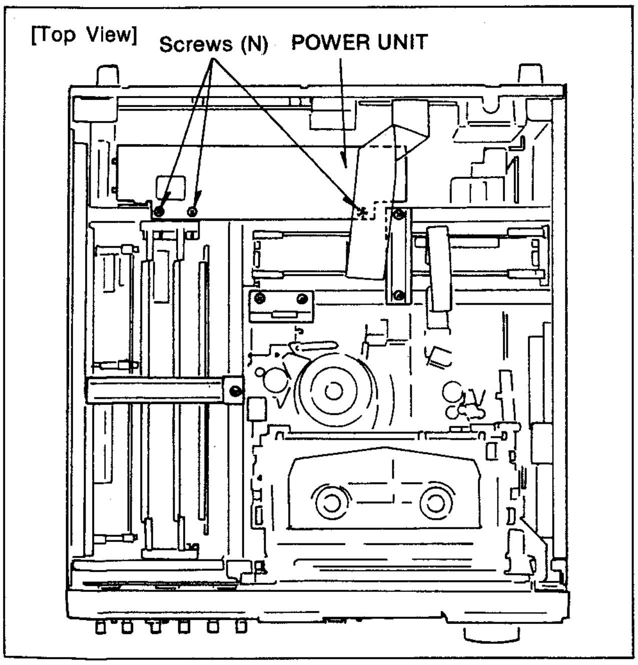

[Top View]
Screws (N)
POWER UNIT

Figure D17

3-2-17. Removal of the Sub Power C.B.A.

1. Unscrew the 4 screws (O) on the Sub Power (Figure D18) and carefully pull out the Sub Power C.B.A. from the unit.

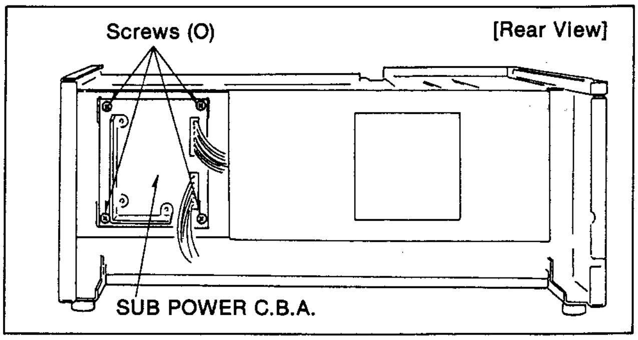

Screws (O)
[Rear View]
SUB POWER C.B.A.

Figure D18

3-2-18. Opening of the Video REC C.B.A. and Video PB C.B.A.

1. Unscrew the 5 screws (P) on the Video REC and Video PB C.B.As. (Figure D19)
2. Open up the Video REC C.B.A. and Video PB C.B.A. as shown in Figure D20.

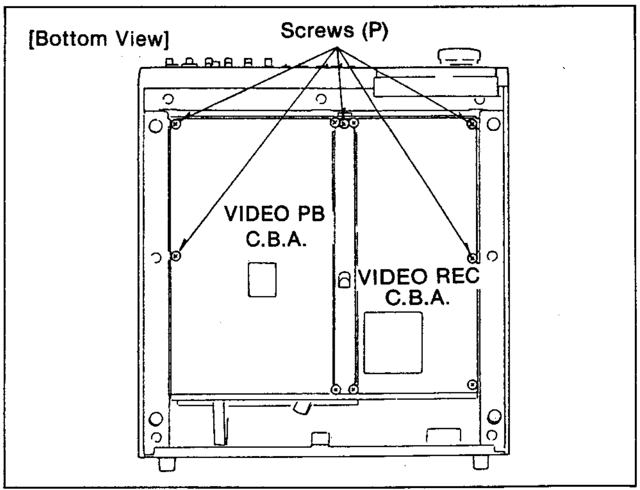

[Bottom View]
Screws (P)
VIDEO PB C.B.A.
VIDEO REC C.B.A.

Figure D19

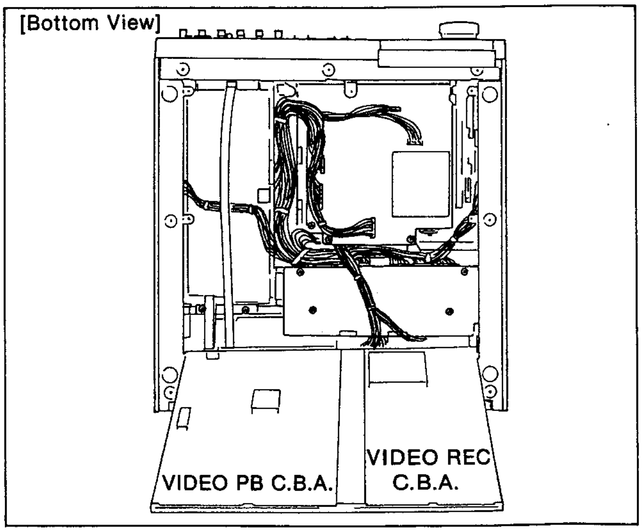

[Bottom View]
VIDEO PB C.B.A.
VIDEO REC C.B.A.

Figure D20

3–2–19. Opening of the Motor Drive C.B.A.

1. Unscrew the 2 screws (Q) on the Motor Drive C.B.A. (Figure D21)
2. Open up the Motor Drive C.B.A. as shown in Figure D22.

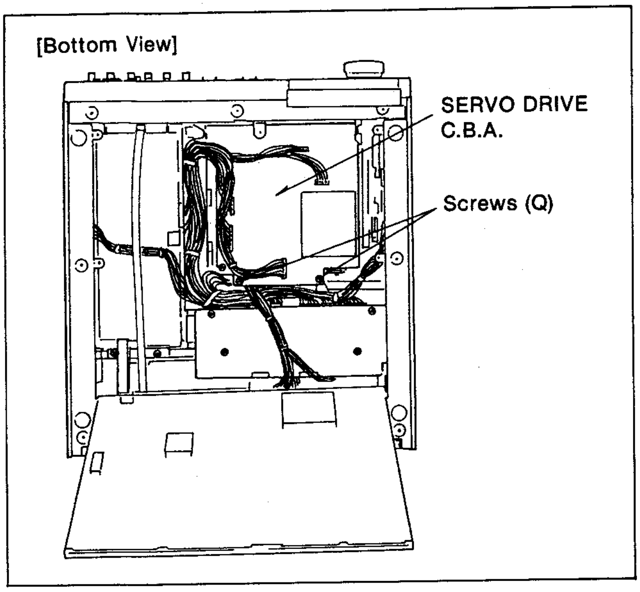

[Bottom View]
SERVO DRIVE C.B.A.
Screws (Q)

Figure D21

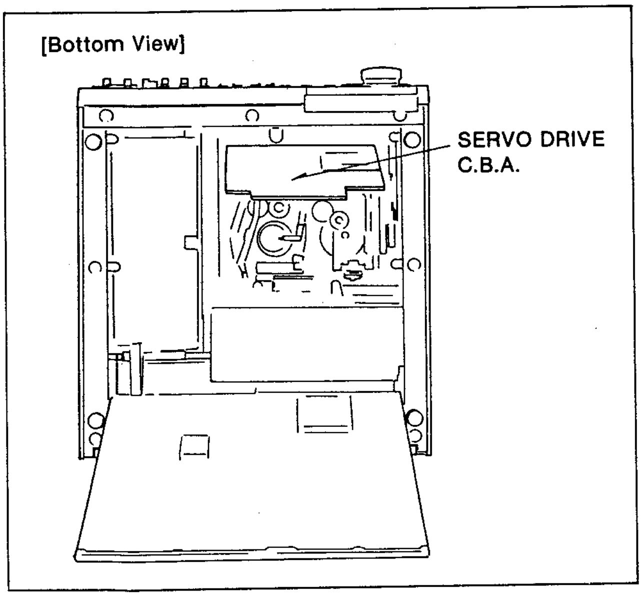

[Bottom View]
SERVO DRIVE C.B.A.

Figure D22

3–2–20. Removal of the Mother (1) C.B.A.

1. Unscrew the 6 screws (R) on the Mother (1) C.B.A. and frames (Figure D23) and carefully pull out the Mother (1) C.B.A. from the unit.

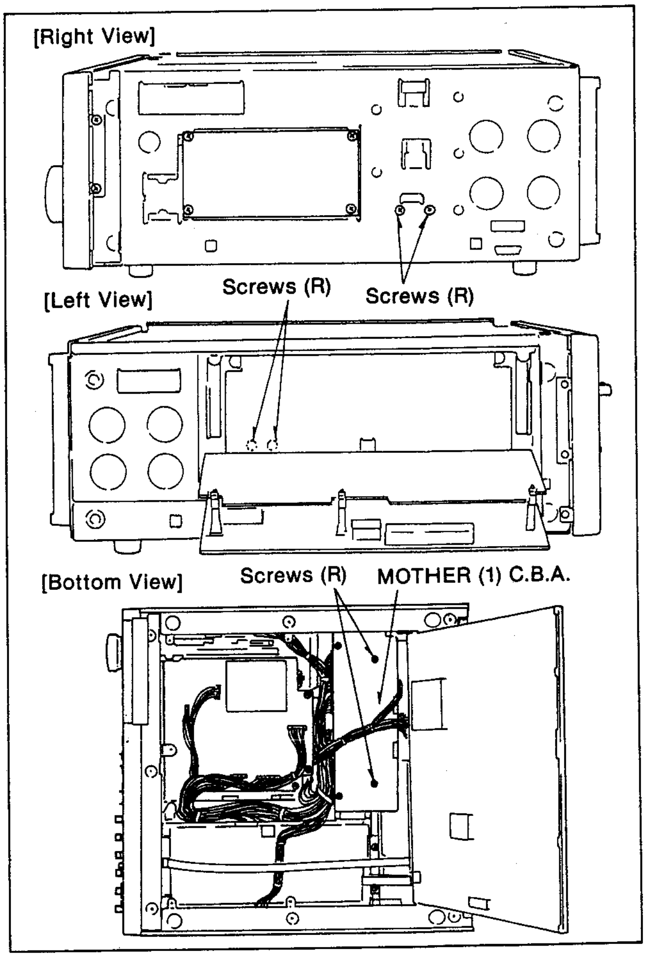

[Right View]
[Left View]
Screws (R)
Screws (R)
[Bottom View]
Screws (R)
MOTHER (1) C.B.A.

Figure D23

3–2–21. Removal of the Mother (2) C.B.A.

1. Unscrew the 4 screws (S) on the frames (Figure D24) and carefully pull out the Mother (2) C.B.A. from the unit.

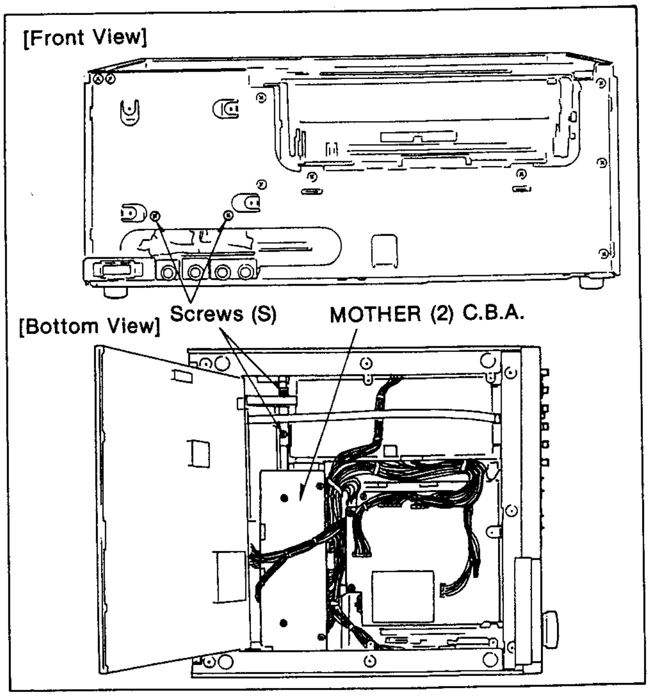

[Front View]
[Bottom View]
Screws (S)
MOTHER (2) C.B.A.

Figure D24

3-2-22. Removal of the Front Connection C.B.A.

1. Unscrew the 4 screws (T) on the Front Connection C.B.A. (Figure D25) and carefully pull out the Front Connection C.B.A. from the unit.

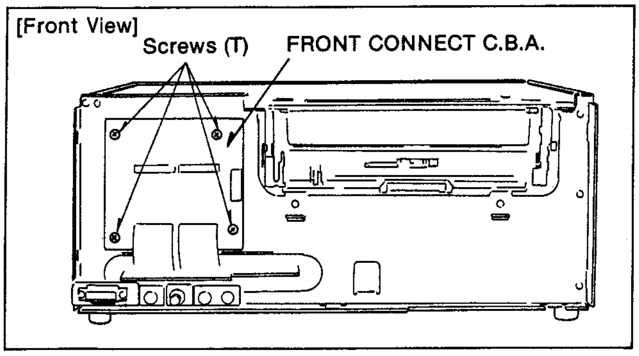

[Front View]
Screws (T)
FRONT CONNECT C.B.A.

Figure D25

3-2-23. Removal of the Pocket Switch C.B.A.

1. Unscrew the 4 screws (U) on the Pocket Switch Box (Figure D26) and carefully pull out the Pocket Switch unit from the front panel.
2. Unscrew a screw (V) on the left side of Pocket Switch unit (Figure D27).
3. Unscrew a screw (W) on the right side of Pocket Switch unit (Figure D28) and carefully pull out the switch panel and Pocket Switch C.B.A.

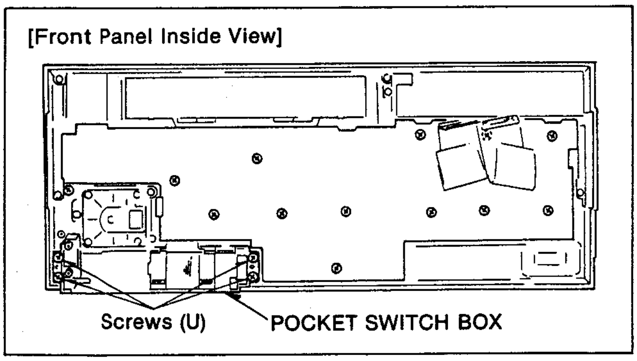

[Front Panel Inside View]
Screws (U)
POCKET SWITCH BOX

Figure D26

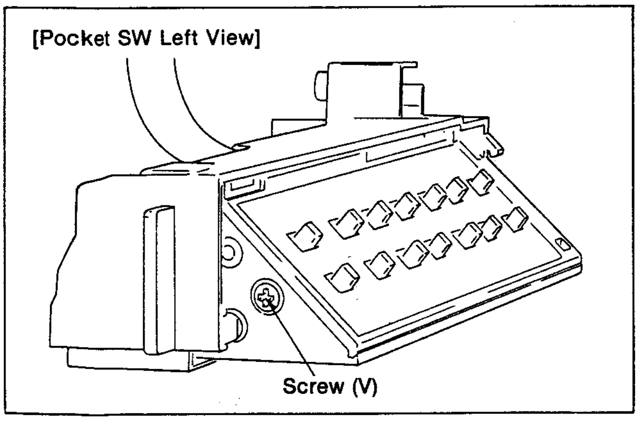

[Pocket SW Left View]
Screw (V)

Figure D27

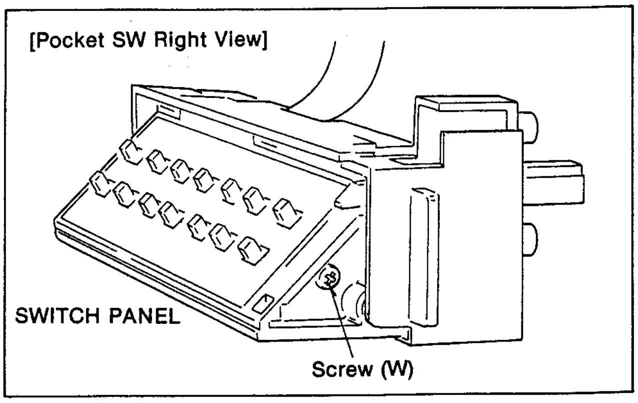

[Pocket SW Right View]
SWITCH PANEL
Screw (W)

Figure D28

3-2-24. Removal of the Cassette Compartment Unit

1. Unscrew the 2 screws (X-1) as shown in Figure D29.
2. Unscrew the 2 screws (X-2) as shown in Figure D29.
3. Unscrew a screw (X-3) as shown in Figure D29.
4. Disconnect a wire from P1508 on right side of the Cassette Compartment.
5. Remove the Top Plate.

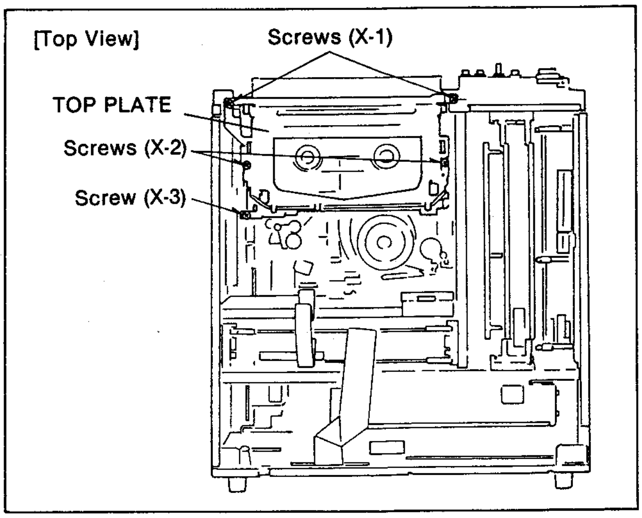

[Top View]
Screws (X-1)
TOP PLATE
Screws (X-2)
Screw (X-3)

Figure D29

6. Removal a Cassette Holder Unit as shown in Figure D30.

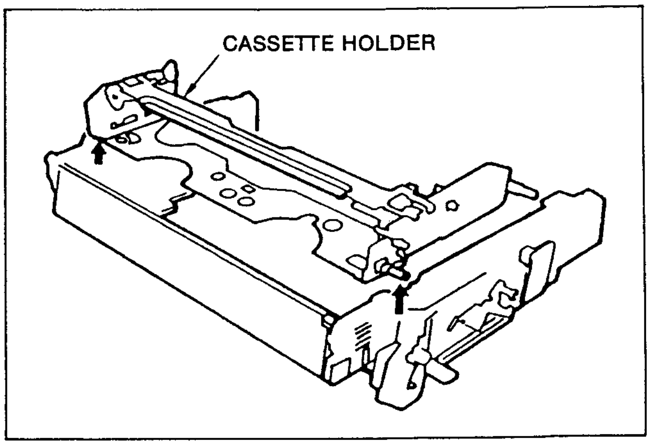

CASSETTE HOLDER

Figure D30

7. Unscrew the 2 screws (Y) on the Cassette Compartment (Figure D31)
8. Removal a Cassette Compartment.

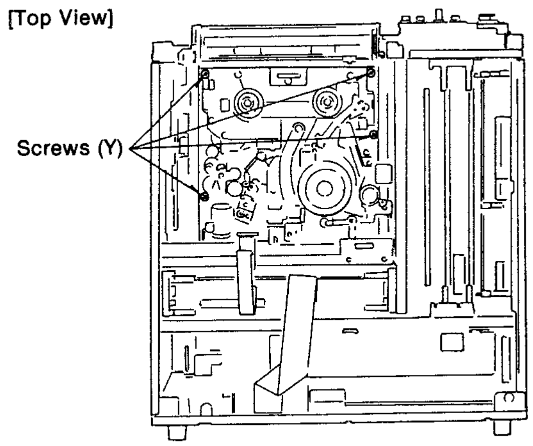
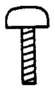
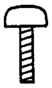
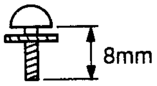
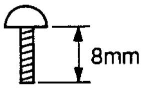
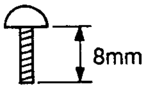
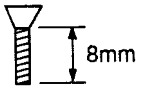
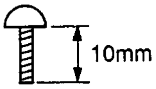
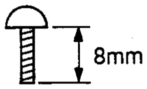
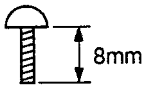
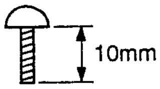
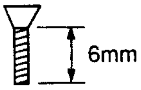
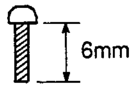
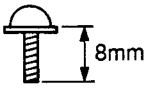
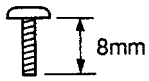
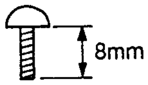
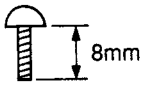

[Top View]
Screws (Y)

Figure D31

SCREWS

(A)  VHD0222	(B)  VHD0426	(C-1)  XYE3+EF8	(C-2)  XTV3+8F	(D)  XTV3+8FFZ(BLACK)
(E),(F)  XTS3+8FR (RED)	(H)  XTV4+10JR (RED)	(I),(J),(K),(M),(N),(O),(P),(Q),(R),(S),(T)  XTV3+8FR (RED)	(L)  XTV3+8FB	(U)  XTV3+10JR (RED)
(V)  XSS3+6FCS	(W)  XSU3+6FCS	(X-1)  XYE3+BF8R(RED)	(X-2)  XTV26+8G	(X-3)  XTV3+8G (RED)
(Y)  XTV26+8FR (RED)				

Section 4

MAINTENANCE

CONTENTS

4-1. REGULAR MAINTENANCE 4-2
4-2. MAINTENANCE CHART 4-2
4-3. PARTS LOCATION 4-3
4-4. MAINTENANCE PROCEDURES 4-4
  4-4-1. HOW TO EJECT MANUALY 4-4
  4-4-2. CYLINDER MAINTENANCE PROCEDURES 4-4
    A. Procedures for Cleaning of Cylinder Unit 4-4
    B. Replacement of the Upper Cylinder Unit 4-5
    C. Replacement of the Lower Cylinder Unit 4-5
    D. Adjustment After Re-Installing 4-6
  4-4-3. A/C HEAD MAINTENANCE PROCEDURES 4-6
    A. Replacement of the A/C Head (1) Unit 4-6
    B. Adjustment After Re-Installing 4-7
  4-4-4. FULL ERASE HEAD MAINTENANCE PROCEDURES 4-7
    A. Replacement of the Full Erase Head 4-7
  4-4-5. PRESSURE ROLLER MAINTENANCE PROCEDURES 4-7
    A. Replacement of the Pressure Roller Unit 4-7
  4-4-6. REEL MOTOR UNIT MAINTENANCE PROCEDURES 4-8
    A. Replacement of the Reel Unit 4-8
  4-4-7. MAIN BRAKE (S), (T) UNIT MAINTENANCE PROCEDURES 4-8
    A. Replacement of the Main Brake (S), (T) Unit 4-8
  4-4-8. LOADING MOTOR UNIT MAINTENANCE PROCEDURES 4-8
    A. Replacement of the Loading Motor Unit 4-8
  4-4-9. HEAD CLEANING PAD UNIT MAINTENANCE PROCEDURES 4-9
    A. Replacement of the Head cleaning Pad 4-9
  4-4-10. MODE SWITCH MAINTENANCE PROCEDURES 4-9
    A. Replacement of the Mode Switch 4-9
  4-4-11. PINCH SOLRNOID MAINTENANCE PROCEDURES 4-10
    A. Replacement of the Pinch Solenoid 4-10

4–1. REGULAR MAINTENANCE

The purpose of periodic maintenance is to preserve the functioning of this machine throughout it's useful life. The user or service dealer should perform these maintenance regularly to ensure that maximum utility is obtained from the machine.

The VCR is a complicated piece of equipment. It contains many belts, rollers, heads etc., which become worn, and deteriorate as time goes by, causing trouble. Dust and dirt will also impede the proper functioning of the machine. In light of this, it is very important that overall maintenance be done according to the maintenance chart to maintain the functions of the VCR, and to avoid accidental problems. This maintenance should also be performed after any repairs are done on the equipment.

The VCR used for business applications requires particular attention for several reasons. The installation conditions and applications are not always the best. long use times, to poor environmental conditions may adversely affect the life–span and performance of the machine. Regular maintenance assures that the purchaser obtains the maximum value for his expenditure. Accordingly, the necessity of regular maintenance should be fully explained at the time of sale, as well as during after–sale repairs.
Please note that the recommended maintenance schedule depends on temperature and humidity.

4–2. MAINTENANCE CHART

The following periodic maintenance is required to prolong the life of the machine.

Ref. No. IN P/L	Parts Name	Hour										Ref. No. IN P/L	Parts Name	Hour									
		500	1000	1500	2000	2500	3000	3500	4000	4500	5000			500	1000	1500	2000	2500	3000	3500	4000	4500	5000
—	Tape Transporters	●	●	●	●	●	●	●	●	●	●	1-7	Loading Motor U								◎		
1-19	A/C Head (1) U	●	●	●	●	●	●	●	◎	●	●	1-48	Inclind Base (S) (2) U								■		
1-56	FE Head (AG-7750 ONLY)	●	●	●	●	●	●	●	◎	●	●	1-45	Inclind Base (T) (1) U								■		
1-41	Upper Cylinder U	●	◎	●	◎	●	◎	●	◎	●	◎	1-51	Head Cleaning U		◎		◎		◎		◎		◎
1-42	Lower Cylinder U	●	●	●	●	●	◎	●	●	●	●	1-36	Mode SW								◎		
2-28	Capstan Rotor U (Shaft)	●	●	●	●	●	●	●	●	●	●	2-7	Reel Motor U								◎		
1-25	Pressure Roller U	●	●	●	◎	●	●	●	◎	●	●	2-39	Loading Cam Gear								■		
2-16	Main Brake (S) U				◎				◎			2-33	Main Cam Gear								■		
2-18	Main Brake (T) U				◎				◎			2-1	Worm Shaft								■		
2-2	Loading Belt				◎				◎			2-3	Worm Wheel								■		
1-13	Pinch Solenoid										◎												

***NOTE:**

Symbol	Maintenance	Requirement	Remark
●	Cleaning	Ethyl-alcohol or Cleaning Liquid (Purchase locally)	Wipe dirt from the parts using soft cloth impregnated with Ethyl-Alcohol. Note: When cleaning rubber parts, avoid using excessive alcohol since it may accelerate deterioration of these parts. After cleaning with alcohol, wipe the alcohol quickly and thoroughly.
◎	Replacement	———	———
■	Greasing	Molytone Grease (MOR265)	Wipe the old grease and apply new grease.

4–3. PARTS LOCATION

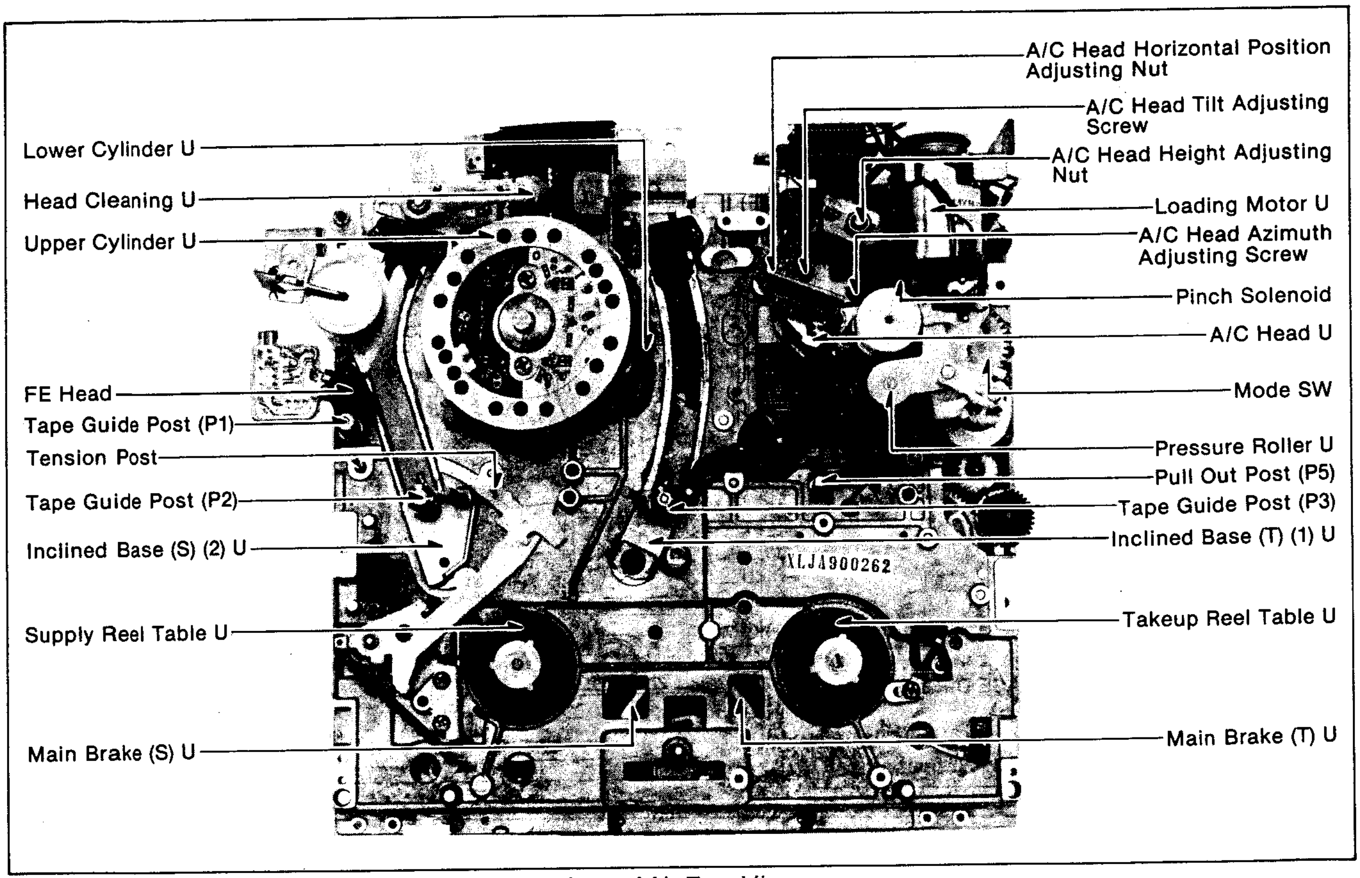

A/C Head Horizontal Position Adjusting Nut
A/C Head Tilt Adjusting Screw
A/C Head Height Adjusting Nut
Lower Cylinder U
Head Cleaning U
Loading Motor U
Upper Cylinder U
A/C Head Azimuth Adjusting Screw
Pinch Solenoid
A/C Head U
FE Head
Mode SW
Tape Guide Post (P1)
Tension Post
Pressure Roller U
Pull Out Post (P5)
Tape Guide Post (P2)
Tape Guide Post (P3)
Inclined Base (S) (2) U
Inclined Base (T) (1) U
XLJA900262
Supply Reel Table U
Takeup Reel Table U
Main Brake (S) U
Main Brake (T) U

Figure M1 Top View

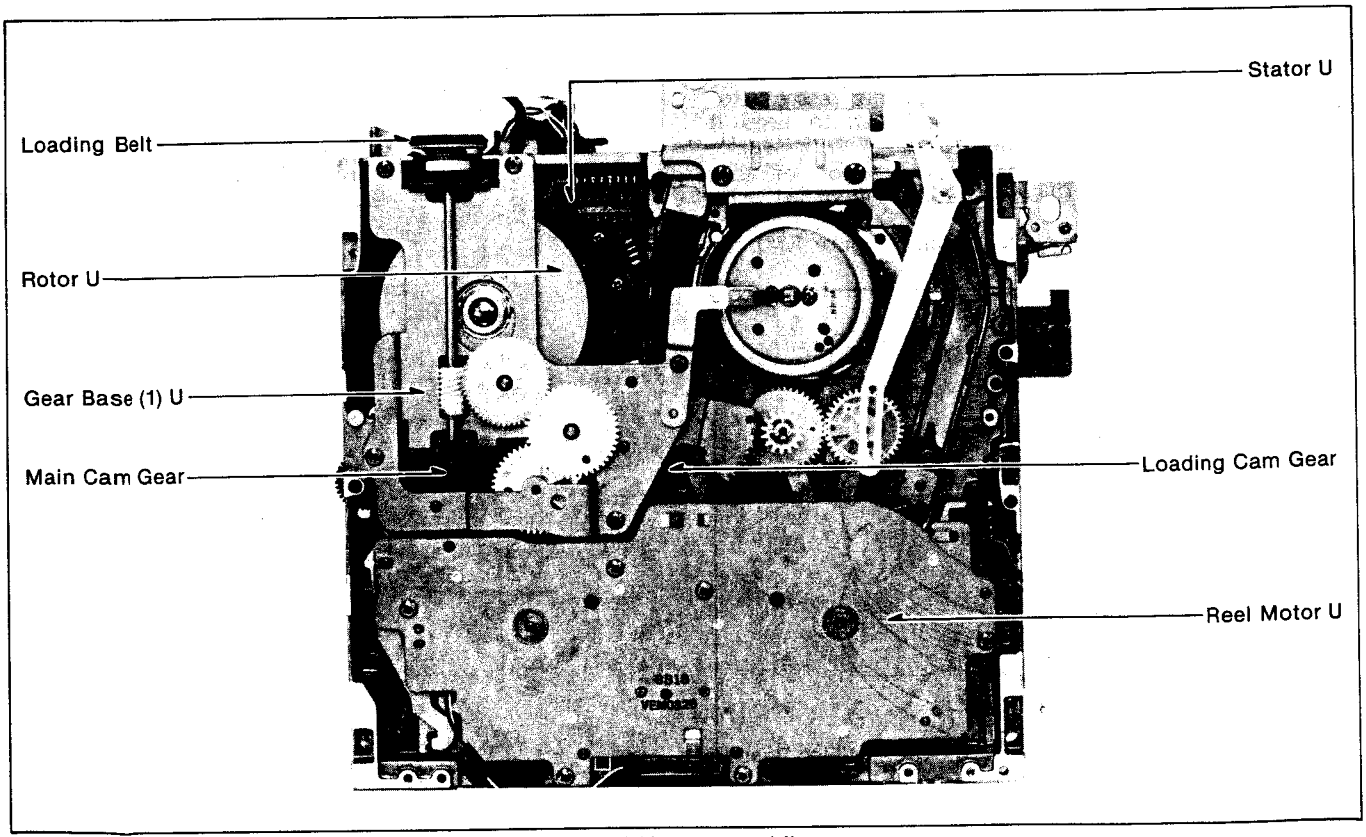

Stator U
Loading Belt
Rotor U
Gear Base (1) U
Main Cam Gear
Loading Cam Gear
Reel Motor U

Figure M2 Bottom View

4–4. MAINTENANCE PROCEDURES

4–4–1. HOW TO EJECT MANUALLY

If the electrical circuit is defective and the action of unloading and front unloading don't work properly, it is possible to eject manually as follows.

1. Take out the Main AC.
2. Release the direction as shown in Figure M3.
3. Rotate the Wormshaft to clockwise until cassette is ejected.

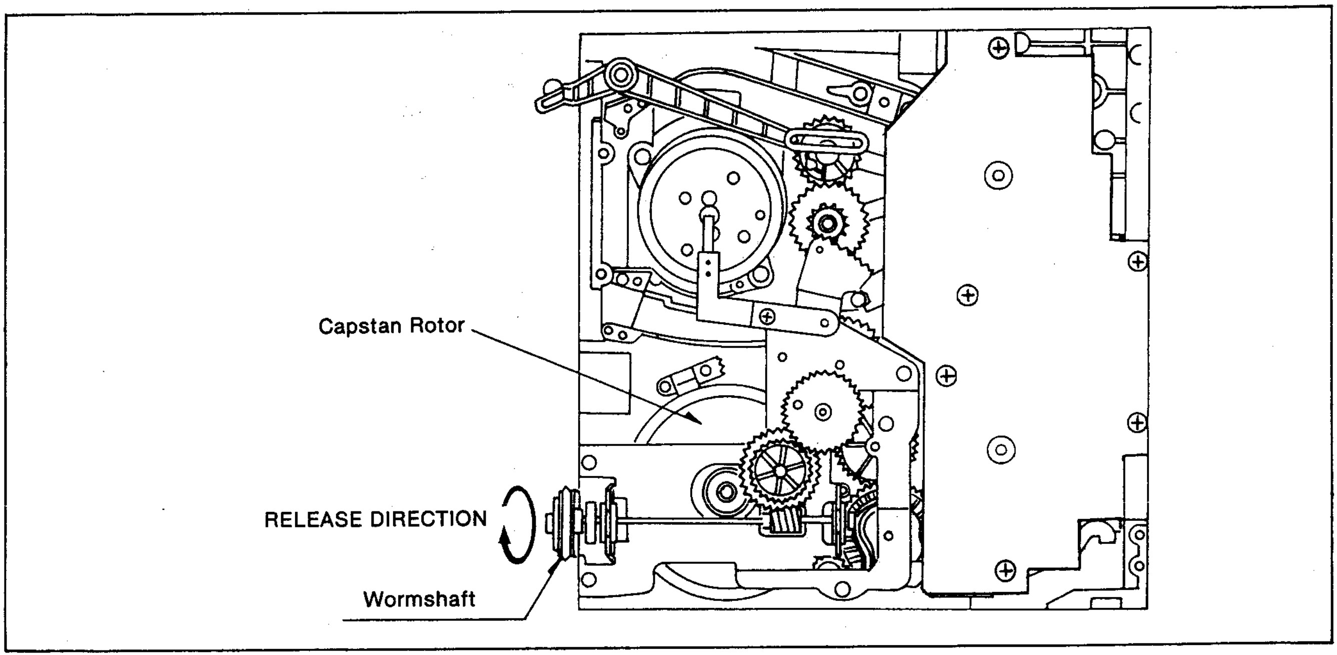

Capstan Rotor
RELEASE DIRECTION
Wormshaft

Figure M3

4–4–2. CYLINDER MAINTENANCE PROCEDURES

A. Procedures for Cleaning of the Cylinder Unit

1. Position the video head to permit access for cleaning and hold the upper cylinder to keep it from turning while cleaning.
2. Gently rub the video head in direction of tape travel with Head Cleaning Stick moistened with Cleaning Liquid.
3. Repeat for the other video heads. (Figure M4)

*Notes:
1. Do not rub vertically.
2. Do not apply any pressure to heads.

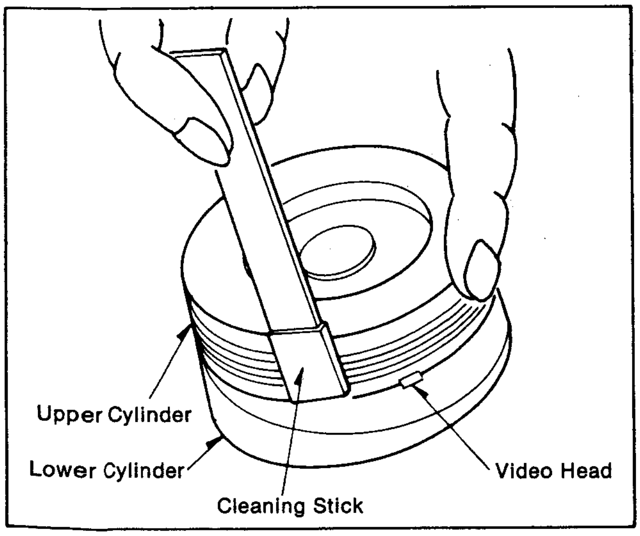

Upper Cylinder
Lower Cylinder
Video Head
Cleaning Stick

Figure M4

B. Replacement of the Upper Cylinder Unit

1. First remove two screws as shown in Figure M5. Then unsolder 16 (Figure M6) of the soldered portions indicated by arrows on the Upper Cylinder, and finally remove the Upper Cylinder.

*Note: Soldered portion can be easily removed by using solder sucking wire, etc.

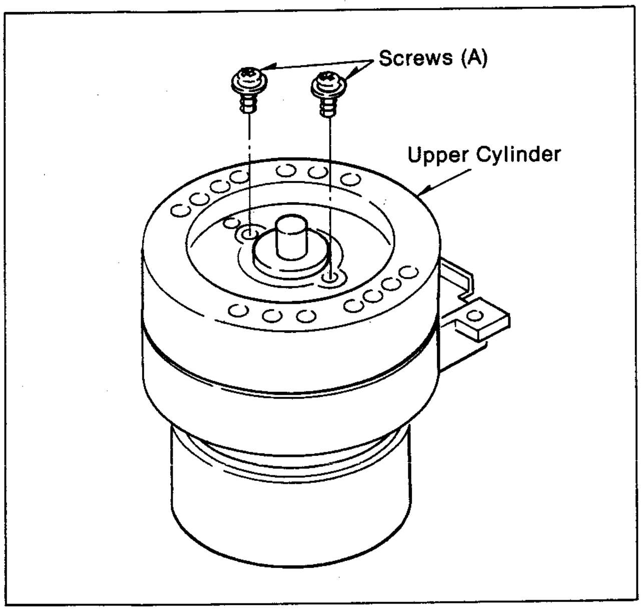

Screws (A)
Upper Cylinder

Figure M5

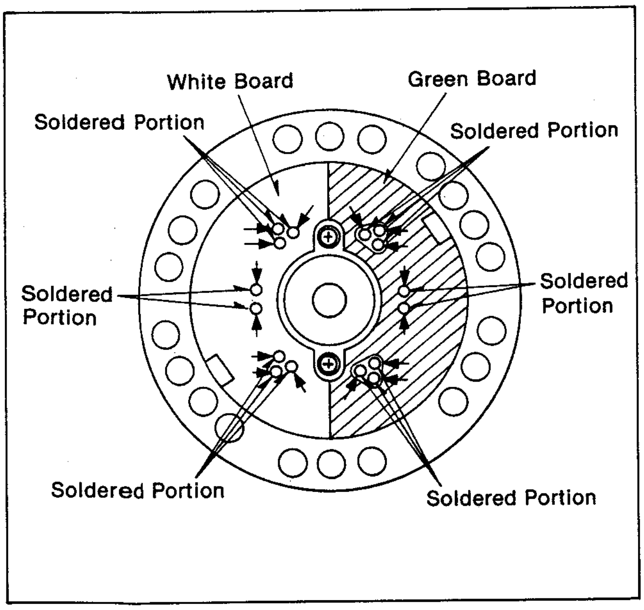

White Board
Green Board
Soldered Portion
Soldered Portion
Soldered Portion
Soldered Portion
Soldered Portion
Soldered Portion

Figure M6

2. The Upper Cylinder unit can be reinstalled by reversing the removal procedure.
However, when Upper Cylinder is installed, be extremely carefully so that white portion of P.C. board of Upper Cylinder correctly matches the white portion of bottom cylinder as shown in Figure M7.

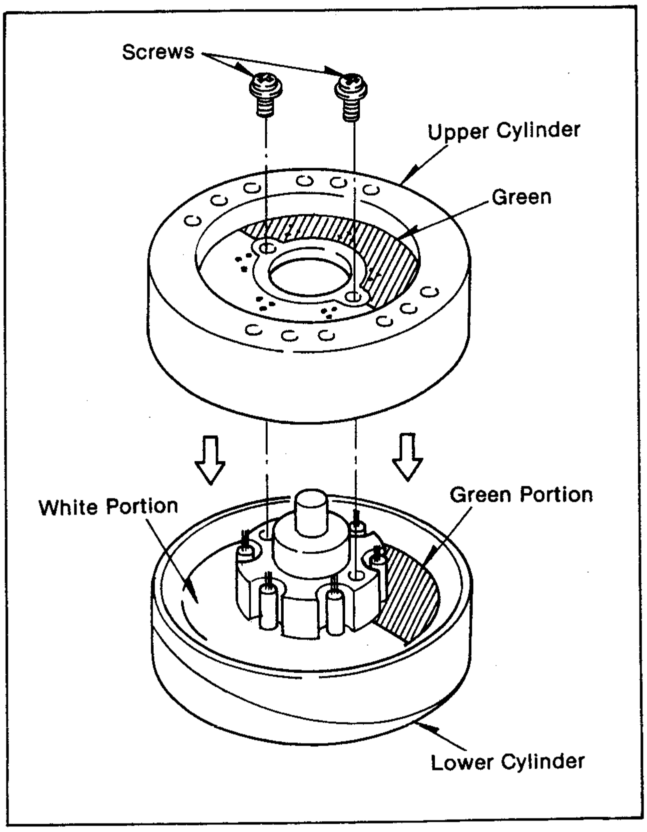

Screws
Upper Cylinder
Green
White Portion
Green Portion
Lower Cylinder

Figure M7

*Note: If the Upper Cylinder Unit is reversal installed, no color will appear when playing back pre-recorded tapes.

C. Replacement of the Lower Cylinder Unit

1. Disconnect 2 connectors.(Figure M8)

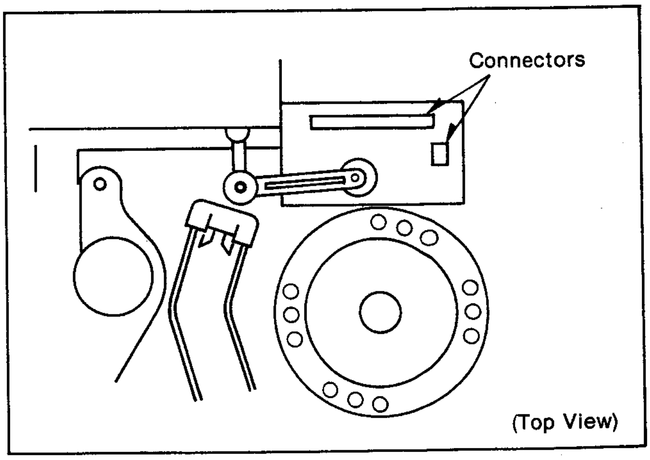

Connectors
(Top View)

Figure 2-8

2. Remove the Cleaning Rod from bottom side.
3. Disconnect a connector (D).
4. Unscrew 3 screws (C). Since there is very little clearance between DD Cylinder (Lower Cylinder) Unit and Chassis, remove the Cylinder gently and carefully. (Figure M9).

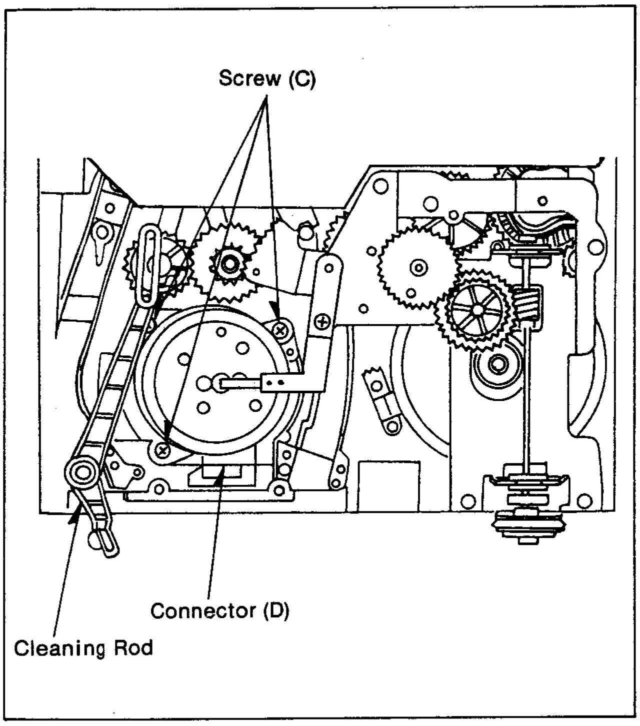

Screw (C)
Connector (D)
Cleaning Rod

Figure M9

5. Reinstall the new DD Cylinder (Lower Cylinder) Unit in the chassis, tighten the 3 screws (C). Then connect a connectors and reinstall the Cleaning Rod.
6. Re–install the Head Amp C.B.A.

D. **Adjustment After Re–Installing**

Figure M10 shows the order of steps for adjusting the mechanical and electrical.

These adjustments should be performed after completion of reinstalling the Upper Cylinder or Lower Cylinder Unit.

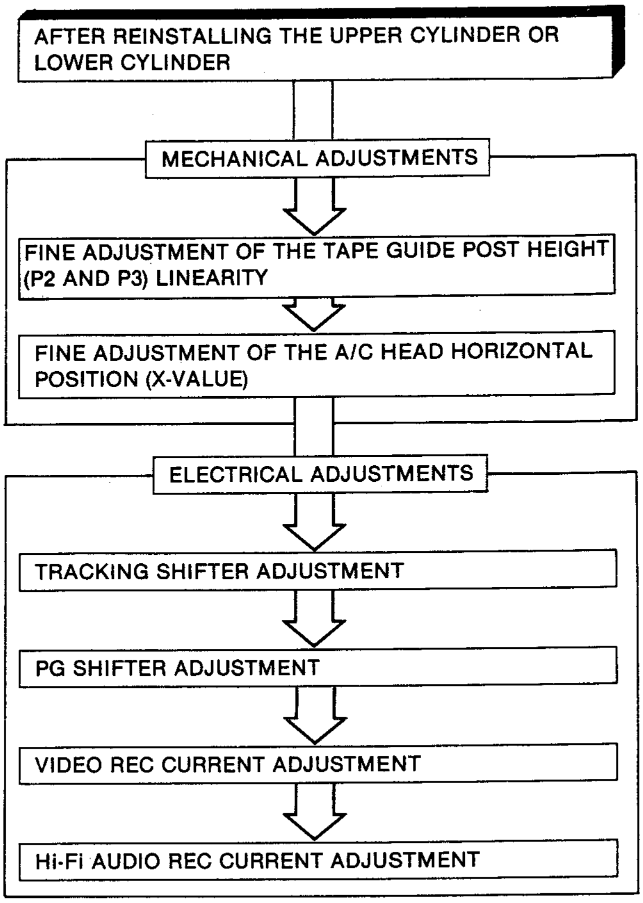

AFTER REINSTALLING THE UPPER CYLINDER OR LOWER CYLINDER
MECHANICAL ADJUSTMENTS
FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT (P2 AND P3) LINEARITY
FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)
ELECTRICAL ADJUSTMENTS
TRACKING SHIFTER ADJUSTMENT
PG SHIFTER ADJUSTMENT
VIDEO REC CURRENT ADJUSTMENT
Hi-Fi AUDIO REC CURRENT ADJUSTMENT

Figure M10

4–4–3. A/C HEAD MAINTENANCE PROCEDURES

A. **Replacement of the A/C Head (1) Unit**

1. Disconnect a connector (H). (Figure M11)
2. Unscrew 3 screws (E)(F)(G) with a spring and then remove the A/C Head (1) Unit (Figure M11).

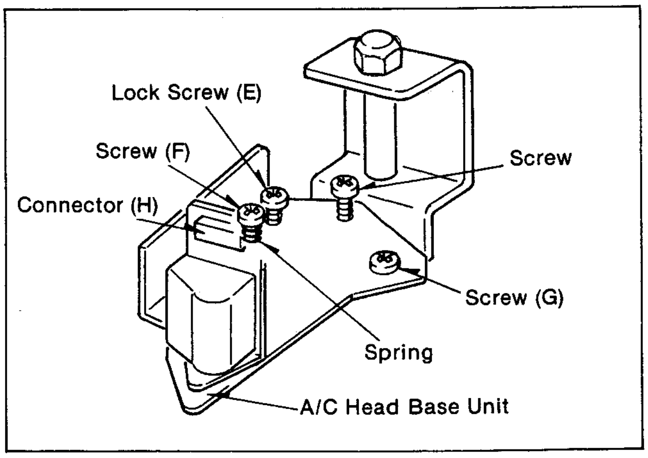

Lock Screw (E)
Screw (F)
Connector (H)
Screw
Screw (G)
Spring
A/C Head Base Unit

Figure M11

3. The A/C Head (1) Unit can be reinstalled by reversing the removal procedure.

B. Adjustment After Re-installing

Figure M12 shows the order of steps for adjusting the mechanical and electrical. These adjustments should be performed after completion of reinstalling the A/C Head (1) Unit.

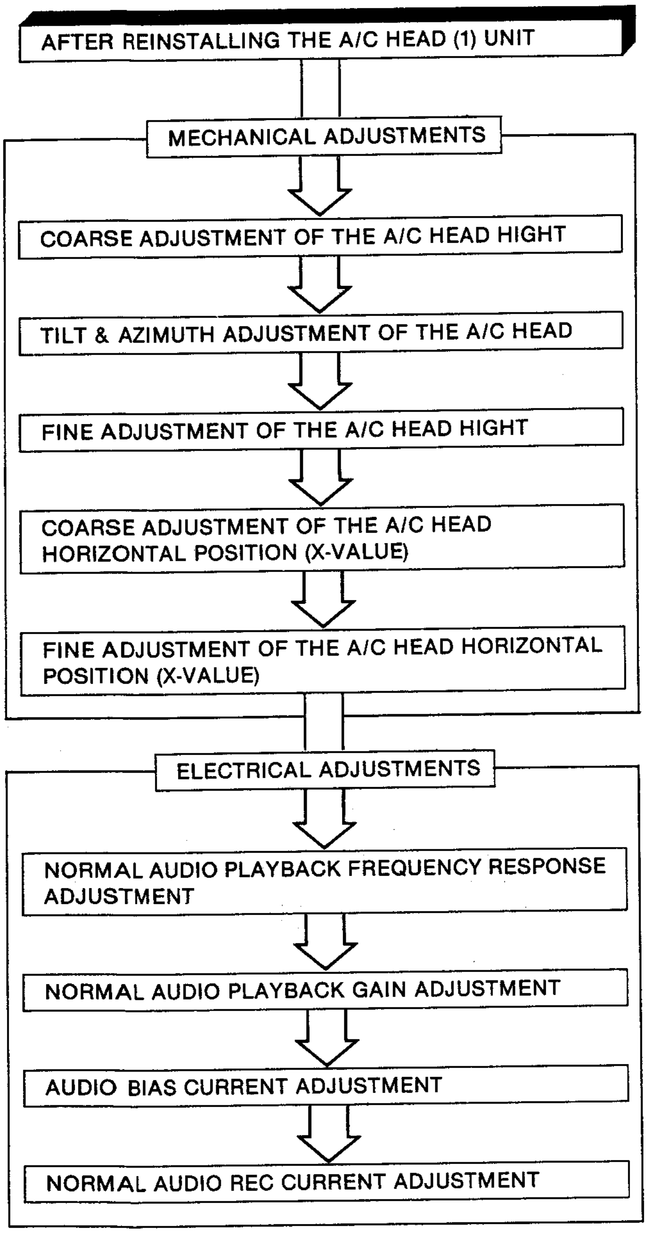

AFTER REINSTALLING THE A/C HEAD (1) UNIT
MECHANICAL ADJUSTMENTS
COARSE ADJUSTMENT OF THE A/C HEAD HIGHT
TILT & AZIMUTH ADJUSTMENT OF THE A/C HEAD
FINE ADJUSTMENT OF THE A/C HEAD HIGHT
COARSE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)
FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)
ELECTRICAL ADJUSTMENTS
NORMAL AUDIO PLAYBACK FREQUENCY RESPONSE ADJUSTMENT
NORMAL AUDIO PLAYBACK GAIN ADJUSTMENT
AUDIO BIAS CURRENT ADJUSTMENT
NORMAL AUDIO REC CURRENT ADJUSTMENT

Figure M12

4-4-4. FULL ERASE HEAD MAINTENANCE PROCEDURES

A. Replacement of the Full Erase Head

1. Disconnect a connector (J).
2. Unscrew a screw (K) and remove the Full Erase Head.

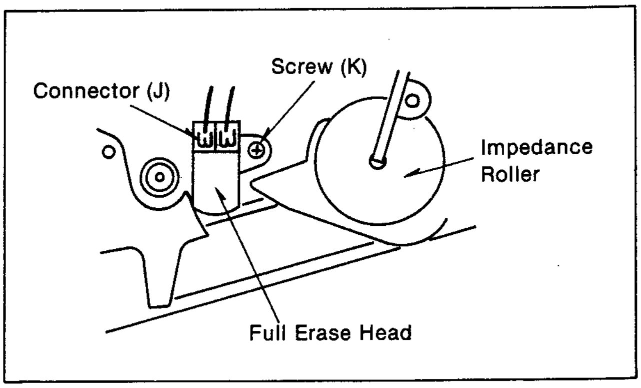

Screw (K)
Connector (J)
Impedance Roller
Full Erase Head

Figure M13

3. The new Full Erase Head can be reinstalled by reversing the removal procedure.

4-4-5. PRESSURE ROLLER MAINTENANCE PROCEDURES

A. Replacement of the Pressure Roller Unit

1. Place the deck in STOP or EJECT mode.
2. Remove the Pinch Can Cap.
3. Remove the Pressure Roller Unit.

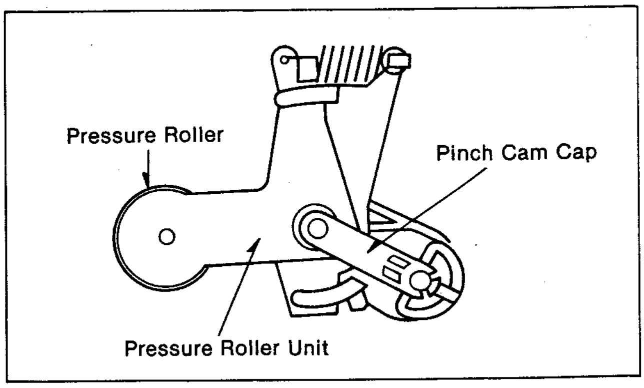

Pressure Roller
Pinch Cam Cap
Pressure Roller Unit

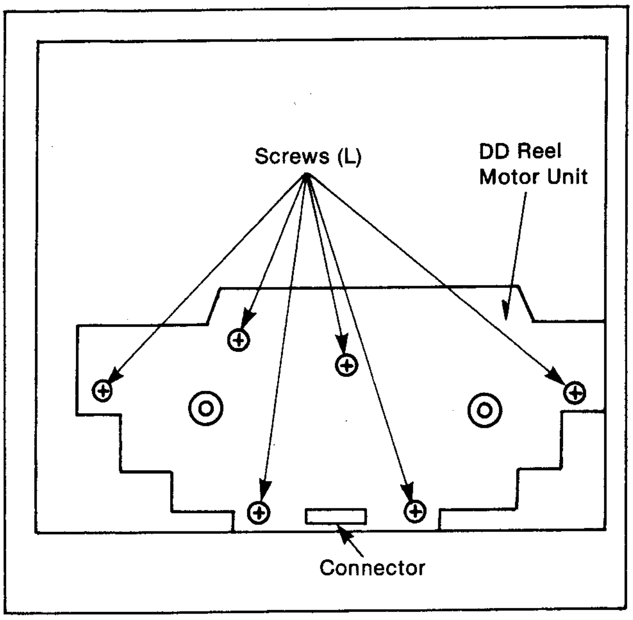
Figure M14

4. The new Pressure Roller Unit can be re-installed by reversing the removal procedure.

4-4-6. REEL MOTOR UNIT MAINTENANCE PROCEDURES

A. Replacement of the Reel Unit

1. Remove 6 screws (L) and carefully lift the DD Reel Unit.
2. Disconnect a connector.

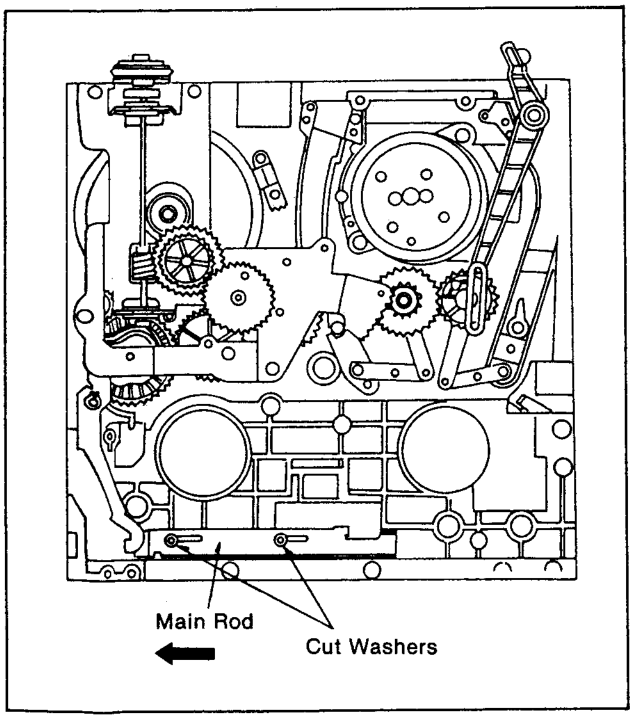


Screws (L)
DD Reel Motor Unit
Connector

Figure M15

3. The Reel Motor Unit can be re-installed by reversing the removal procedure.

*Note: When assembling the DD Reel Motor Unit, slide the Main Rod to far left side by rotating a Center Gear.



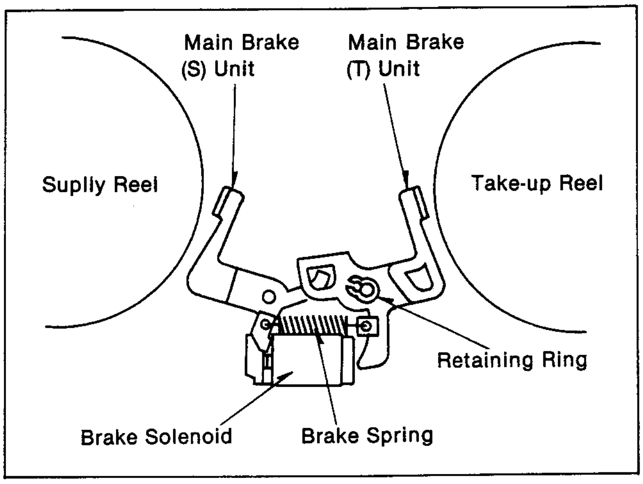
Main Rod
Cut Washers

Figure M16

4-4-7. MAIN BRAKE (S),(T) UNIT MAINTENANCE PROCEDURES

A. Replacement of the Main Brake (S),(T) Unit

1. Remove the Reel Unit. (Refer to Reel Motor Maintenance Procedures.)
2. Remove a Retaining Ring.
3. Remove the Main Brake (S),(T) with a spring.



Main Brake (S) Unit
Main Brake (T) Unit
Suplly Reel
Take-up Reel
Retaining Ring
Brake Solenoid
Brake Spring

Figure M17

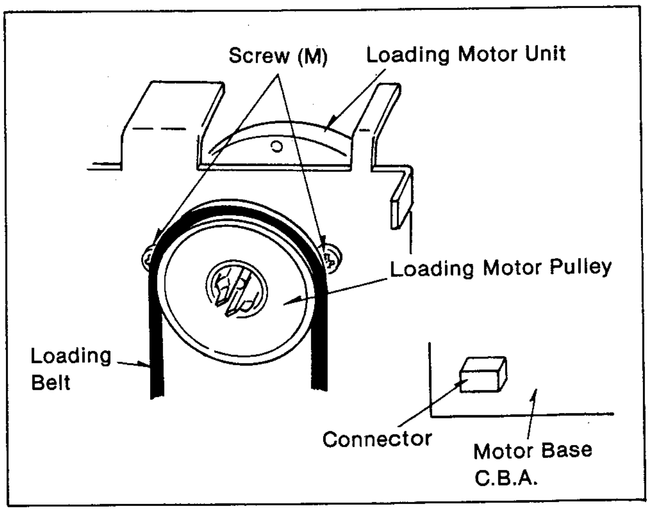
4. The new Main Brake (S),(T) Unit can be reinstalled by reversing the removal procedure.

*Note: When assembling the DD Reel Motor Unit, slide the Main Rod to far left side by rotating a Center Gear. (Figure M16)

4-4-8. LOADING MOTOR UNIT MAINTENANCE PROCEDURES

A. Replacement of the Loading Motor Unit

1. Remove the Loading Belt.
2. Remove the Loading Motor Pulley.
3. Disconnect a connector.
4. Unscrew 2 screws (M) and remove the Loading Motor Unit.



Screw (M)
Loading Motor Unit
Loading Motor Pulley
Loading Belt
Connector
Motor Base C.B.A.

Figure M18

5. The Loading Motor Unit can be reinstalled by reversing the removal procedure.

4–4–9. HEAD CLEANING PAD UNIT MAINTENANCE PROCEDURES

A. Replacement of the Head Cleaning Pad

1. Remove a Cut Washer (N) and the Head Cleaning Pad Unit.
2. The Head Cleaning Pad Unit can be reinstalled by reversing the removal procedure.

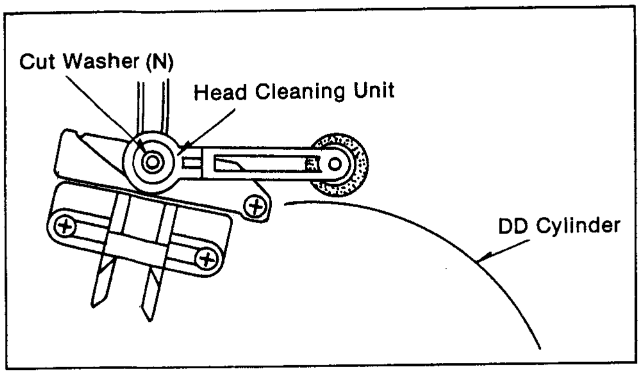

Cut Washer (N)
Head Cleaning Unit
DD Cylinder

Figure M19

4–4–10. MODE SWITCH MAINTENANCE PROCEDURES

A. Replacement of the Mode Switch

1. Place the deck in the STOP mode.
2. Remove the Cassette Compartment Unit. (Refer to Disassembly Procedures)
3. Remove the Pinch Cam Cap and Pressure Roller Unit.
4. Remove the Pinch Cam.

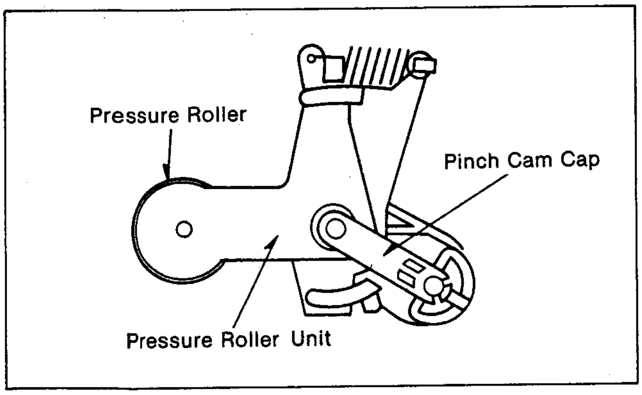

Pressure Roller
Pinch Cam Cap
Pressure Roller Unit

Figure M20

5. Unscrew 2 screws (P) and remove the Loading Motor Base.
6. Unscrew a screw (Q) and unsolder 5 of soldered portions.
7. Finally remove the Mode Switch.

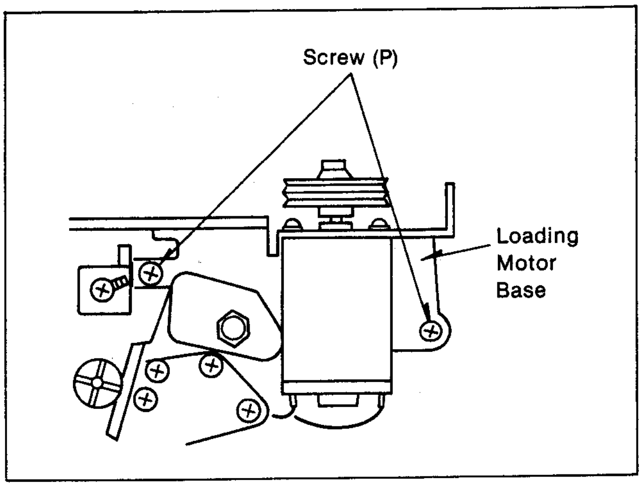

Screw (P)
Loading Motor Base

Figure M21

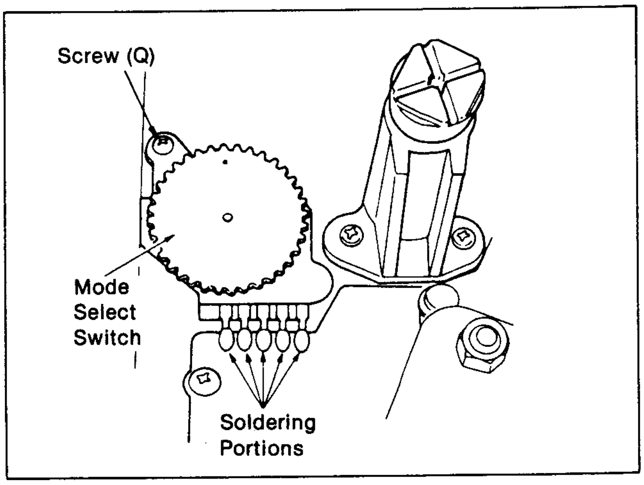

Screw (Q)
Mode Select Switch
Soldering Portions

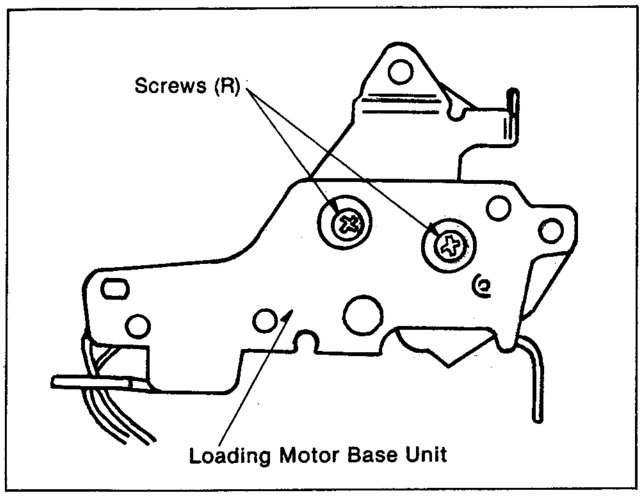
Figure M22

8. Install a Mode Switch and tighten screw (Q), then solder 5 soldering portions.
9. Install the Pinch Cam and Pressure Roller Unit. (Refer to " Assembly Procedures of Pinch Cam & Pressure Roller Unit.")
10. Install the Loading Motor Base and tighten screw (P).
11. Install the Cassette Compartment. (Refer to Reinstallation of Cassette Compartment.)

4–4–11. PINCH SOLENOID MAINTENANCE PROCEDURES

A. Replacement of the Pinch Solenoid

1. Unscrew 2 screws (P) and remove the Loading Motor Base. (Figure M21)
2. Disconnect a connector (red) on the Motor Base C.B.A.
3. Unscrew 2 screws(R)(Figure M23) and remove the Pinch Solenoid.
4. Install a Pinch Solenoid and tighten 2 screws (P).
5. Install the Loading Motor Base and tighten 2 screws (P).(Figure M21)


Screws (R)
Loading Motor Base Unit

B. Adjustment After Re-installing

Pressure Adjustment of the Pinch Roller (Refer to Mechanical Adjustment Procedures) should be performed after completion of reinstalling the Pinch Solenoid.

Section 5

MECHANICAL ADJUSTMENTS

CONTENTS

5-1. SERVICING FIXTURES AND TOOLS **5-3**

5-2. TAPE INTERCHANGEABILITY ADJUSTMENT PROCEDURES **5-3**

5-2-1. ADJUSTMENT FLOW CHART 5-4
5-2-2. COARSE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHTS (P2 and P3) 5-5
5-2-3. ADJUSTMENT OF THE PULL OUT POST (P5) HEIGHT 5-6
5-2-4. COARSE ADJUSTMENT OF THE A/C HEAD HEIGHT 5-7
5-2-5. TILT & AZIMUTH ADJUSTMENT OF THE A/C HEAD 5-8
5-2-6. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT (P2 and P3) (LINEARITY) 5-9
5-2-7. FINE ADJUSTMENT OF A/C HEAD HEIGHT 5-10
5-2-8. COARSE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE) 5-10
5-2-9. FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE) 5-10

5-3. OTHER MECHANICAL ADJUSTMENT PROCEDURES **5-11**

5-3-1. MEASUREMENT AND ADJUSTMENT OF BACK TENSION 5-11
5-3-2. HEIGHT ADJUSTMENT OF THE REEL TABLES 5-12
5-3-3. ADJUSTMENT OF THE CAPSTAN THRUST GAP 5-13
5-3-4. MEASUREMENT AND ADJUSTMENT OF THE BRAKE TORQUE 5-14
5-3-5. CONFIRMATION OF PRESSING FORCE AND POSITION ADJUSTMENT OF PRESSURE ROLLER UNIT 5-14
5-3-6. ADJUSTMENT OF REV. TENSION SENSOR POSITION 5-15
5-3-7. ADJUSTMENT OF FG HEAD GAP 5-16

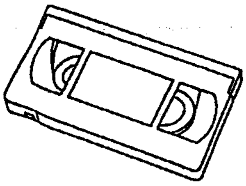
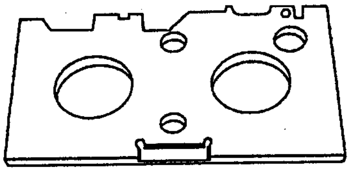
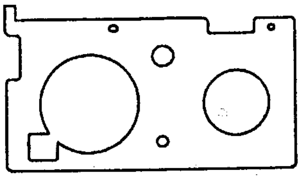
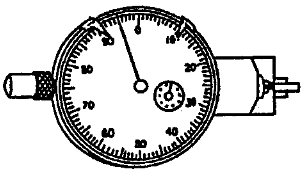
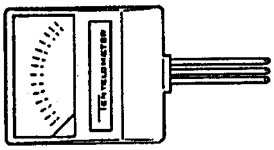
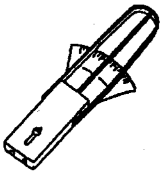
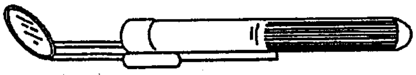
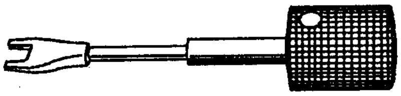
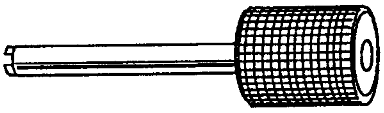
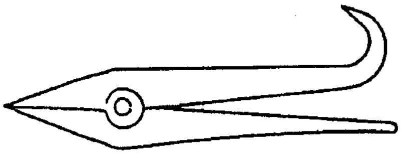
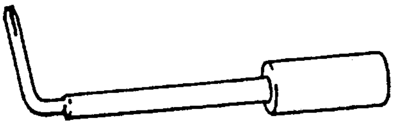
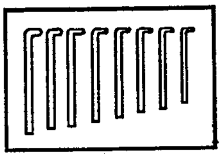
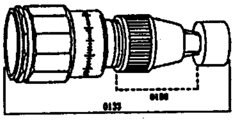
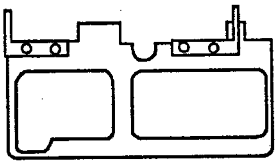
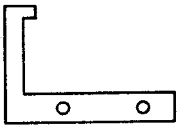
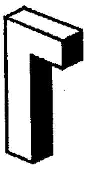
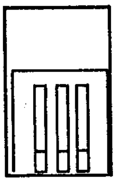
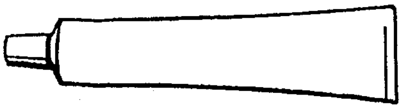
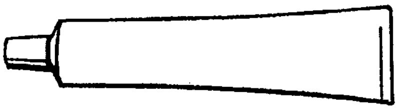
5-4. ASSEMBLY AND ADJUSTMENT PROCEDURES OF MECHANISM **5-16**

5-4-1. CONFIRMATION OF ALIGNMENT CONDITION 5-16
5-4-2. ASSEMBLY PROCEDURES OF SUB CAM GEAR, RING GEAR AND DETENT ARM 5-17
5-4-3. ASSEMBLY PROCEDURES OF MAIN AND PINCH SPEED DOWN GEAR 5-17
5-4-4. ASSEMBLY PROCEDURES OF LOADING CAM GEAR AND RETAINER GEAR 5-17
5-4-5. ASSEMBLY PROCEDURES OF CENTER GEAR 5-18
5-4-6. ASSEMBLY PROCEDURES OF MAIN LEVER AND CAM FOLLOWER ARM UNIT 5-18
5-4-7. ASSEMBLY PROCEDURES OF LOADING GEAR (T), LOADING GEAR (S) AND SECTOR GEAR 5-18
5-4-8. ASSEMBLY PROCEDURES OF CONNECTION GEAR 5-19
5-4-9. ASSEMBLY PROCEDURES OF MODE SWITCH AND P5 PULL OUT SECTOR GEAR 5-19
5-4-10. ASSEMBLY PROCEDURES OF PINCH CAM AND PRESSURE ROLLER UNIT 5-19
5-4-11. ASSEMBLY PROCEDURES OF GEAR BASE UNIT 5-20
5-4-12. REINSTALLATION OF CASSETTE COMPARTMENT 5-20

Memo:

5-1. SERVICING FIXTURES AND TOOLS

The specified servicing fixture must be used to conduct adjustment.
The following fixtures, tools and measuring equipments are required to conduct complete Mechanical Adjustments.

VFM8180HADH ; VHS Alignment Tape 	VFK0191 ; Post Adjustment Plate 	VFK0387 ; Tension Post Adj. Fixture 
VFK0190 ; Reel Table Height Fixture 	VFK0132 ; Back Tension Meter (Tentelometer, Made in U.S.A.) 	VFK66 ; Fan Type Tension Gauge 
VFK0343 ; Check Light 	VFK0328 ; H-Position Adj. Screwdriver 	VFK0329 ; Post Adj.Screwdriver 
VFK0335 ; Retaining Ring Remover 	VFK0269 ; L Type Screwdriver 	VFK0326 ; Hex. Wrench Set (0.7, 0.9, 1.2, 1.5, 1.6, 2.0, 2.4, 3.0mm) 
VFK0133 ; Dial Torque Gauge VFK0180 ; Plastic Clamper Only VFK0134 ; Adaptor for VFK0133 	VFK0236 ; Tension Post Adj. Plate 	VFK0578 ; Tension Sensor Adj. Fixture 
VFK0344 ; Post Height Adj. Fixture 	VFK27 ; Head Cleaning Stick 	High Quality Machine Oil (Reel Shaft, Capstan Saft etc.) <<PURCHASE LOCALLY>>
MOR265 ; Morlytone Grease (Black) (for metal part) 	VFK0680 ; S.C.R. Grease (White) (for plastic part) 	Cleaning Liquid (Alchol) (Tape Transport Rubber Parts etc.) <<PURCHASE LOCALLY>>

5-2. TAPE INTERCHANGEABILITY ADJUSTMENT PROCEDURES

5-2-1. ADJUSTMENT FLOW CHART

This flow chart describes the order of steps for adjusting the tape guide posts and A/C head in order to gain access to the items needing servicing. (Figures M1 and M2)

AFTER RE-INSTALLING THE UPPER CYLINDER OR LOWER CYLINDER

- 5-2-6. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT (P2 AND P3)(LINEARITY)
- 5-2-9. FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)

AFTER RE-INSTALLING ALL POSTS OR IF ALL POSTS HAVE BEEN TURNED EXTREMELY

- 5-2-2. COARSE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHTS (P2 AND P3)
- 5-2-3. ADJUSTMENT OF THE PULL-OUT POST (P5) HEIGHT
- 5-2-5. TILT AND AZIMUTH ADJUSTMENT OF THE A/C HEAD
- 5-2-6. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT (P2 AND P3)(LINEARITY)
- 5-2-7. FINE ADJUSTMENT OF THE A/C HEAD HEIGHT

AFTER RE-INSTALLING THE A/C HEAD

- 5-2-7. FINE ADJUSTMENT OF THE A/C HEAD HEIGHT
- 5-2-5. TILT AND AZIMUTH ADJUSTMENT OF THE A/C HEAD
- 5-2-7. FINE ADJUSTMENT OF THE A/C HEAD HEIGHT
- 5-2-8. COARSE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)
- 5-2-9. FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)

AFTER RE-INSTALLING THE PULL-OUT (P5) POST

- 5-2-3. ADJUSTMENT OF THE PULL-OUT POST (P5) HEIGHT

<<NOTE>>

Do not re-adjust any other posts.

Figure M1

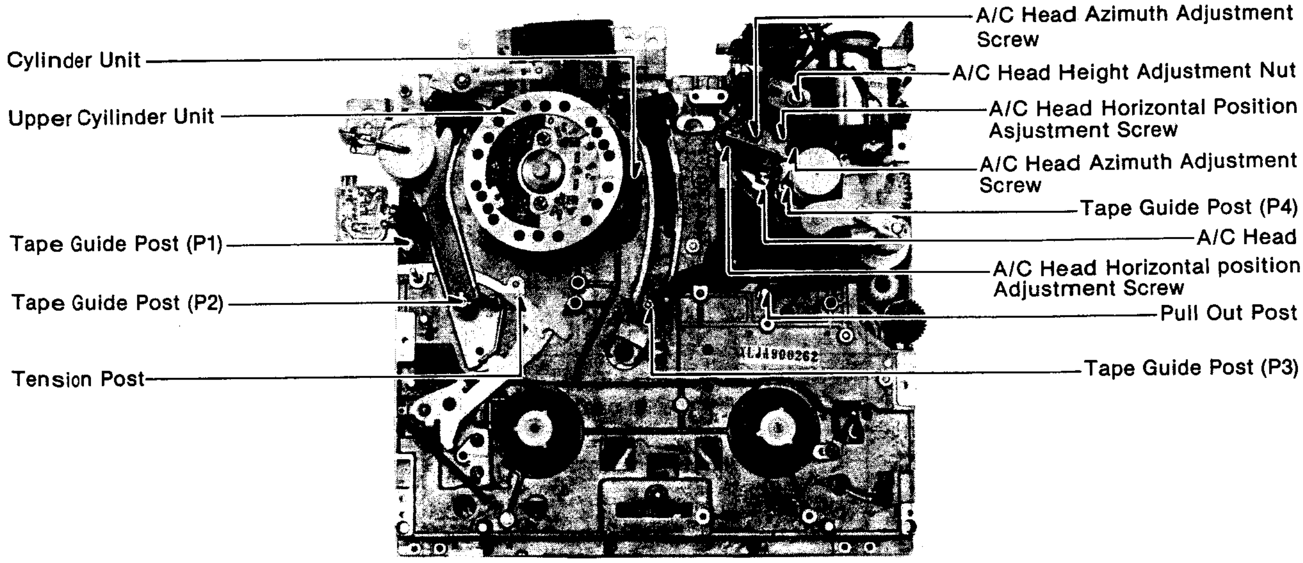

Cylinder Unit
Upper Cyilinder Unit
Tape Guide Post (P1)
Tape Guide Post (P2)
Tension Post
A/C Head Azimuth Adjustment Screw
A/C Head Height Adjustment Nut
A/C Head Horizontal Position Asjustment Screw
A/C Head Azimuth Adjustment Screw
Tape Guide Post (P4)
A/C Head
A/C Head Horizontal position Adjustment Screw
Pull Out Post
Tape Guide Post (P3)

Figure M2

5-2-2. COARSE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHTS (P2 and P3)

<<NOTE>>
The Tape Guide Posts have been precisely adjusted at the factory. Therefore, normally do not change the height of the P2 and P3 Posts.
The following adjustment is required only when replacing the posts.
To prevent the alignment tape from being damaged, use a normal cassette tape for this procedure.

<<TOOL>>
Post Adjustment Plate ; VFK0191
Reel Table Height Gauge ; VFK0190
Post Adjustment Screwdriver ; VFK0329
Check Light ; VFK0343
L Type Screwdriver ; VFK0326

1. Remove the cassette compartment. (Refer to Disassembly Procedures)
2. Place the Post Adjustment Plate over the reel tables. Confirm that the Post Adjustment Plate is firmly seated as shown in Figure M3.

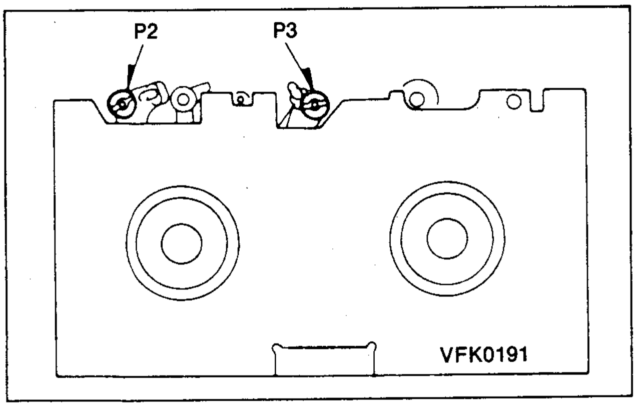


Figure M3

3. Lower 2 tape guide posts (P2 and P3) by turning the Post Adjustment screwdriver so that the condition of post becomes as shown in Figure M4. That is the lower edge of Tape guide should be lower than surface of Adjustment Plate.

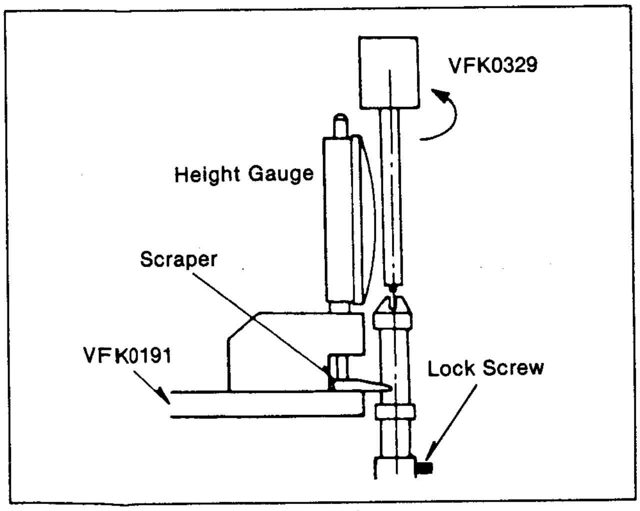


Figure M4

<<NOTE>>
Before turning P2 and P3 posts, slightly loosen the Lock Screw using the L Type Screwdriver.

4. Place the scraper of Reel Table Height Gauge as shown in Figure M5.
   Set the gauge to zero, then raise the post slowly until the lower tape guide just touches the bottom of the scraper. Use the gauge to determine the exact point at which the lower tape guide touches the scraper.

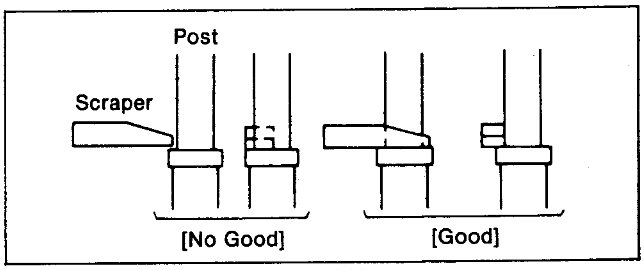


Figure M5

5. After the adjustment, install the cassette compartment referring to Reinstallation of cassette compartment.
6. Play back the beginning portion of NV-T160 cassette tape, and confirm that tape travel as shown in Figure M6.

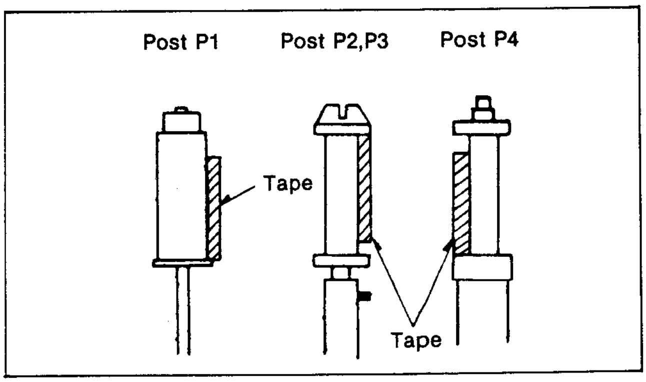


Figure M6

7. Make sure that the edges of the tape are not curling or waving at the bottom or top end of the posts P2, P3 by using the Check Light.
8. If there are waving or frilling at the lower or upper edge of the P2 and P3 posts, readjust the heights of P2 and P3 Posts correctly as shown in Figure M7.

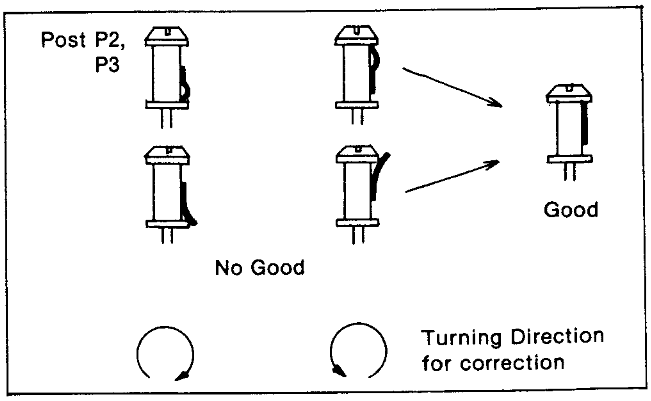


Figure M7

9. And confirm that the tape runs along the Cylinder Lead Correctly.

5-2-3. ADJUSTMENT OF THE PULL-OUT POST (P5) HEIGHT

<<TOOL>>
Post Adjustment Plate ; VFK0191
Reel Table Height Gauge ; VFK0190
Nut Driver ; Purchase locally

<<SPEC>>
- 0.03mm +/- 0.01mm

<<NOTE>>
Unless the replacement or adjustment this post is required, the adjustment nut should not be turned.

1. Remove the cassette compartment. (Refer to Disassembly procedures)
2. Place the Post Adjustment Plate over the reel tables.
3. Turn the Worm Shaft counterclockwise (loading direction) until the mechanical condition becomes as shown in Figure M8.

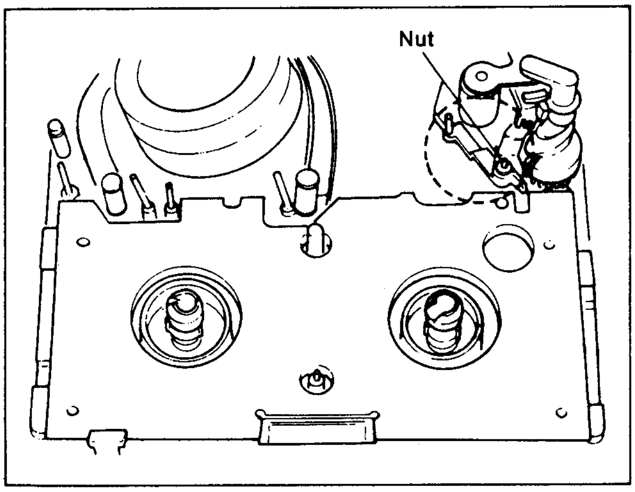


Figure M8

4. Place the Reel Table Height Gauge on the Post Adjustment Plate and set the gauge to zero 0 as shown in Figure M9.

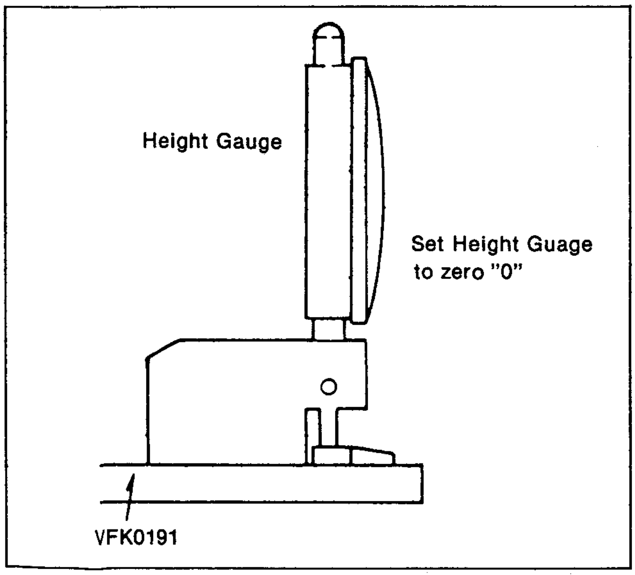


Figure M9

5. Place the Reel Table Height Gauge as shown in Figure M10 and turn the nut slowly until the gauge reads -0.03mm +/- 0.01mm.

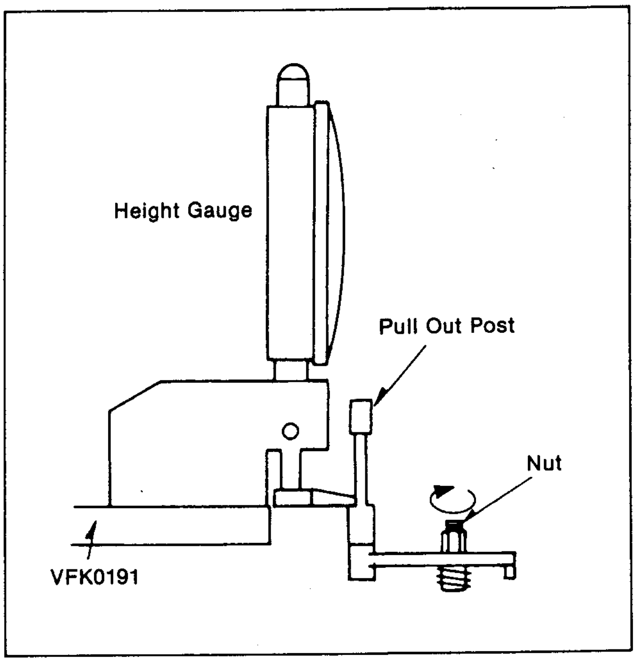


Figure M10

6. After the adjustment, install the cassette compartment. (Refer to Reinstallation of Cassette Compartment).
7. Play back a normal cassette tape on Review Search mode, and make sure that the edges of the tape are not curling or waving at the bottom end of the P4 post by using the Check Light as shown in Figure M11.

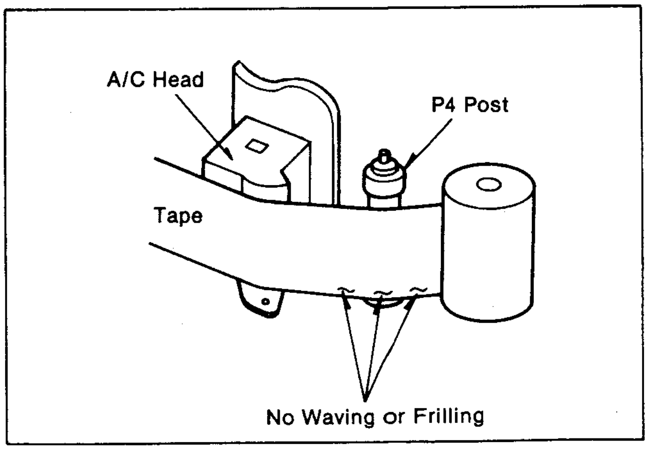


Figure M11

<<NOTE>>
There is easy method to check Waving or Frilling. If there is Waving or Frilling in the lower edge, the white black pattern which is reflected on the tape will curve or not linear as shown in Figure M12.

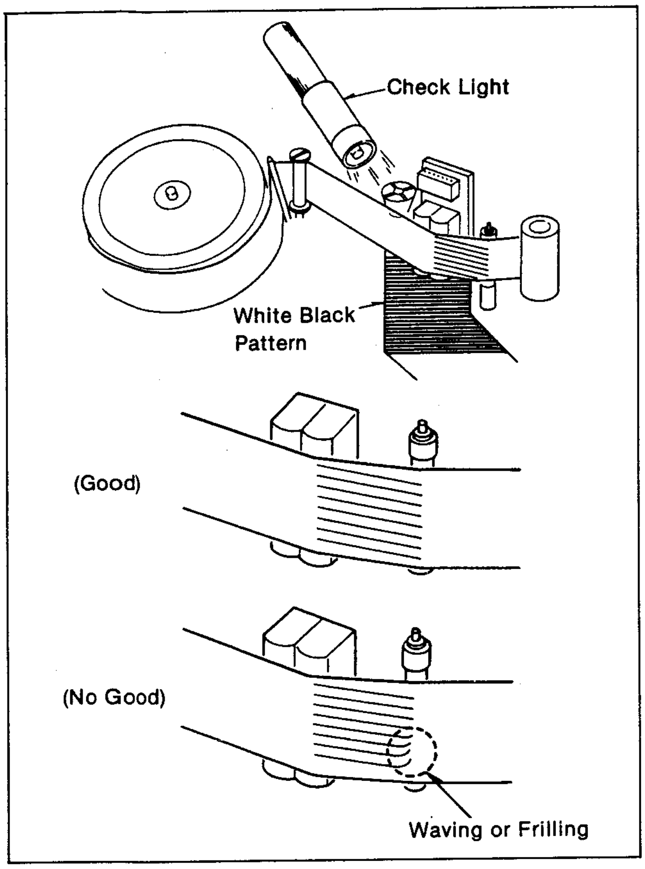

Check Light
White Black Pattern
(Good)
(No Good)
Waving or Frilling

Figure M12

8. If curling appears, readjust P5 post.

5-2-4. COARSE ADJUSTMENT OF THE A/C HEAD HEIGHT

<<NOTE>>
This procedure should be performed only when the A/C Head is replaced.

<<TOOL>>
Check Light ; VFK0343
Nut Driver ; Purchase locally

1. With the tape running, look at the lower edge of the control head by using the check light.
2. Adjust the Nut (A) as shown in Figure M13 by turning the Nut (A) clockwise to lower the head, and counter-clockwise to raise it.

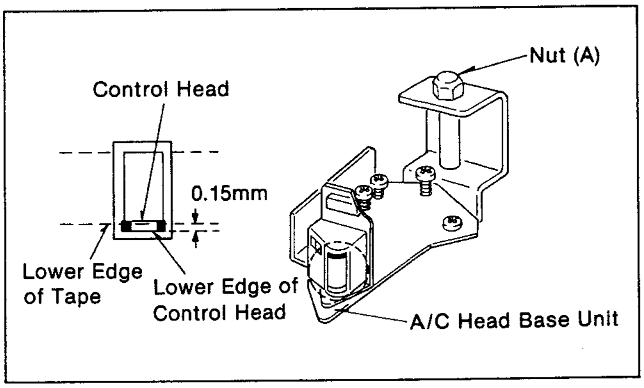

Control Head
0.15mm
Lower Edge of Tape
Lower Edge of Control Head
Nut (A)
A/C Head Base Unit

Figure M13

5-2-5. TILT & AZIMUTH ADJUSTMENT OF THE A/C HEAD

<<NOTE>>
This procedure should be performed only when the A/C Head is replaced or posts heights are readjusted.

<<TOOL>>
Alignment Tape ; VFM8080HQFP
Check Light ; VFK0343
Screwdriver(+) ; Purchase locally
VHS Video Tape

1. Play back a VHS Video tape which the amount of tape winding of a Supply Reel is more than the amount of tape winding of a Take up Reel. Turn a screw (B) to clockwise until Waving or Frilling appears in the lower edge of P4 post as Figure M11.

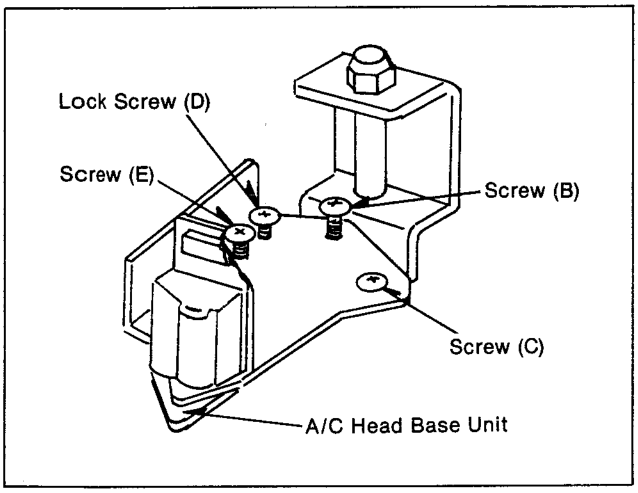


Figure M14

<<NOTE>>
There is easy method to check Waving or Frilling. If there is Waving or Frilling in the lower edge, White Black pattern which is reflected on the tape will curve or not linear. (Figure M12)

2. Turn the screw (B) to counter-clockwise until waving or frilling do not appear in the lower edge of P4 post.
3. Connect the scope CH1 to TP4005 (Normal Audio Output CH1) and the scope CH2 to TP4006 (Normal Audio Output CH2) on the Audio & Video C.B.A.
4. Play back the 2-nd portion (Normal Audio 10KHz) of the alignment tape (VFM8080HQFP).
5. Adjust the screw (C) so that these phases of both channels match as shown in Figure M15.

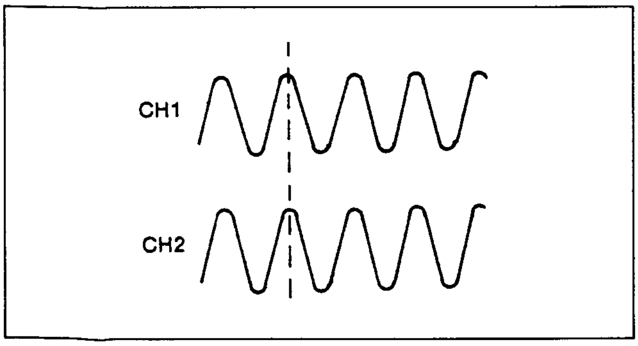


Figure M15

6. Adjust the screw (C) and (B) so that CH1 and CH2 output levels become maximum, these phases of both channels much at the same time (Figure M16). During this adjustment the Lock screw (D) does not touch the A/C Head Base as shown in Figure M17.

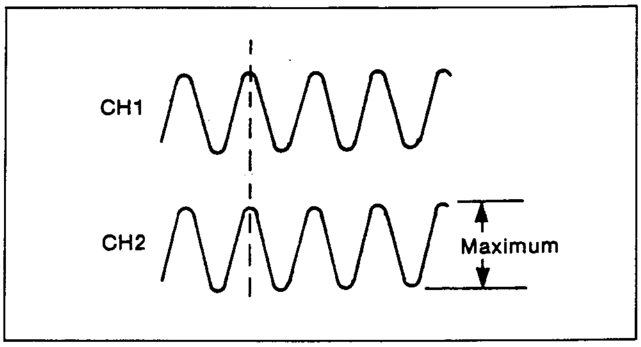


Figure M16

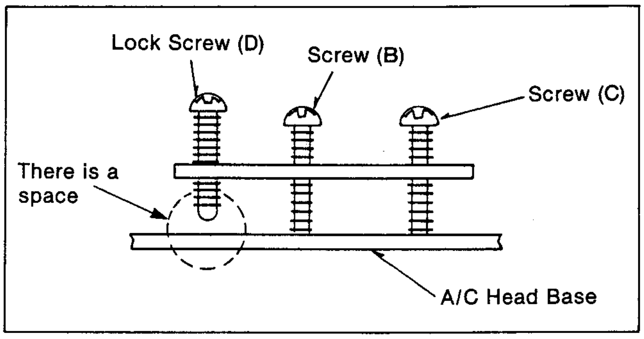


Figure M17

7. Turn the screw (C) to clockwise so that the difference of phases of both channels become 180 degrees as shown in Figure M18.

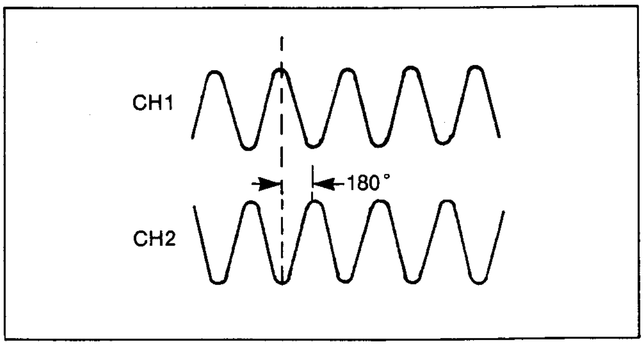


Figure M18

9. Tighten the Lock screw (D) so that these phases of both channels match as shown in Figure M15.

5-2-6. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT (P2 and P3) (LINEARITY)

<<TOOL>>
Alignment Tape ; VFM8080HQFP
Post Adjustment Screwdriver ; VFK0329

<<NOTE>>
Before playing back the alignment tape playback a normal cassette tape and confirm correct transport.

1. Connect a scope to RF test terminal on the Front Panel and PG test terminal to Ext-Trigger the scope.
2. Play back the 2-nd portion (Monoscope 2) of the alignment tape (VFM8080HQFP).
3. Turn the Tracking Control VR and adjust for maximum VIDEO FM envelope.
4. If the RF envelope appears like example A or B in Figure M20 then adjustment of the tape guide post (P2 : Entrance) is necessary.
5. Adjust the tape guide post (P2) with the post adjustment screwdriver so that the RF envelope waveform at the entrance portion becomes flat as shown in Figure M20-C.

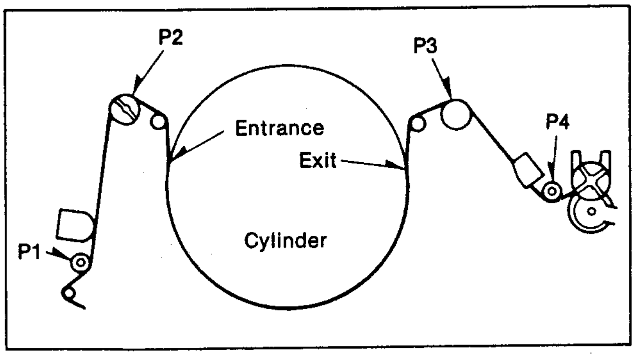

P2
P3
Entrance
Exit
P4
Cylinder
P1

Figure M19

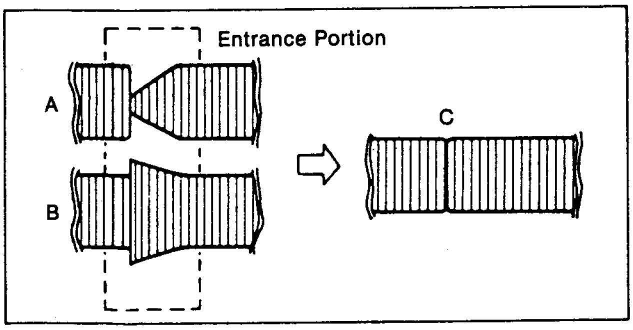

Entrance Portion
A
C
B

Figure M20

6. If the RF envelope appears like example D or E in Figure M21, then adjustment of the tape guide post (P3 : Exit) is necessary.
7. Adjust the tape guide post (P3) in the same manner as the P2 post so that the exit portion becomes flat as shown in Figure M21-F.

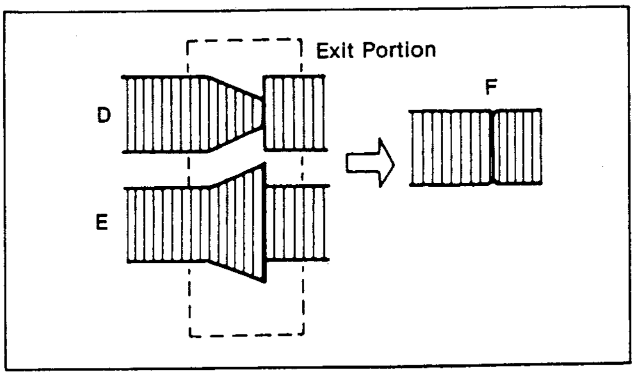

Exit Portion
F
D
E

Figure M21

8. Turn the Tracking VR fully clockwise and counterclockwise. The output envelope should vary nearly parallel with other condition as shown in Figure M22.

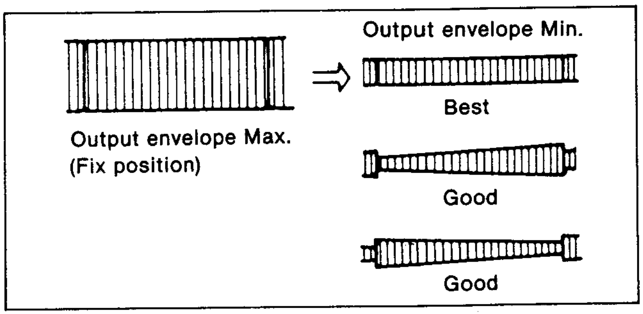

Output envelope Min.
Best
Output envelope Max.
(Fix position)
Good
Good

Figure M22

9. Turn the Tracking VR into center fix position and adjust for maximum RF envelope.
   If the RF envelope does not meet these specifications,

   V1/VO >= 0.7
   V2/VO >= 0.8
   V3/VO >= 0.7

   then repeat steps 4-9 again.

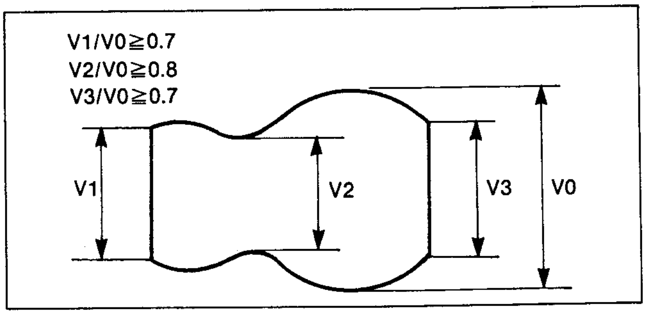

V1/V0≧0.7
V2/V0≧0.8
V3/V0≧0.7
V1
V2
V3
VO

Figure M23

5-2-7. FINE ADJUSTMENT OF A/C HEAD HEIGHT

<<NOTE>>
Before this adjustment 5-2-3. Coarse Adjustment of the A/C Head Height should be performed.

<<TOOL>>
Alignment Tape ; VFM8080HQFP
Nut Driver ; Purchase locally

1. Connect a scope to TP4006 (Normal Audio CH2 Output) on the Audio & Video C.B.A.
2. Play back the 2-nd portion (Normal Audio 10kHz) of the Alignment Tape (VFM8080HQFP).
3. Adjust the Nut (A)(Figure M24) so that the CH2 output level becomes maximum as shown in Figure M25.

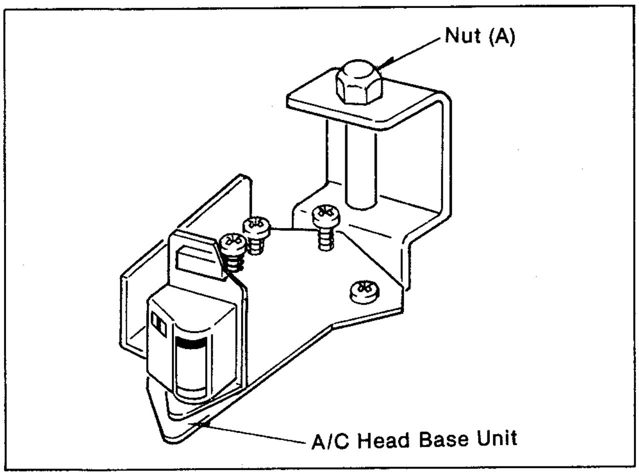


Figure M24

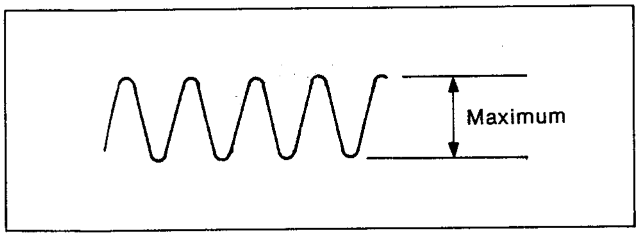


Figure M25

5-2-8. COARSE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)

<<NOTE>>
This procedure should be performed only when the A/C head is replaced, and after performing the tape interchangeability adjustment.

<<TOOL>>
H-Position Adjustment Screwdriver ; VFK0328
Alignment Tape ; VFM8080HQFP

1. Set the Tracking Control VR to the center detent(fixed) position.
2. Connect a scope CH1 to Video RF Test Terminal on the Front Panel and a scope CH2 to TP4006 (Normal Audio CH2 Output) on the Audio & Video C.B.A.
3. Play back the 4-th position (Monoscope 3 and Audio / Every 10-th field is skipped) of the Alignment tape VFM8080HQFP.
4. Adjust the A/C head horizontal position screw so that the phase of audio drop out and video RF envelope drop-out becomes the same as shown in Figure M26.

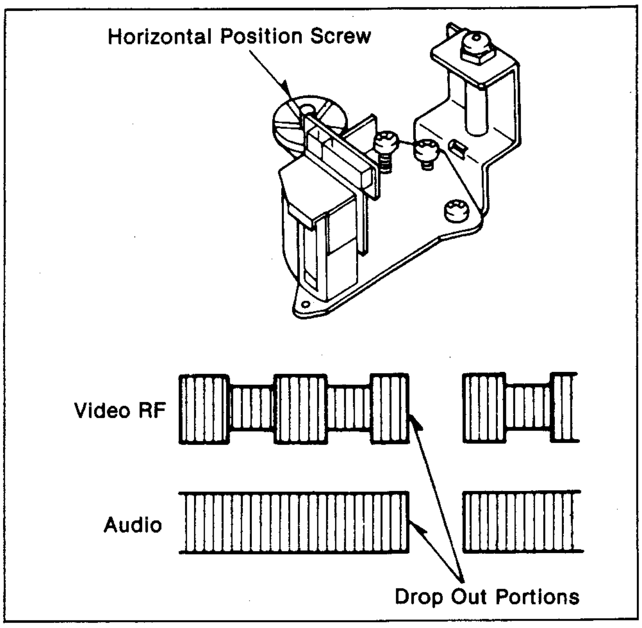


Figure 3-26 Horizontal Position Adjustment of A/C Head

<<NOTE>>
After completion the fine adjustment of the A/C head horizontal position, the phase of Audio drop-out and Video RF envelope drop-out may be changed slightly.

5-2-9. FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)

<<NOTE>>
This procedure should be performed only when the A/C head is replaced, and after performing the tape interchangeability adjustment.

<<TOOL>>
H-Position Adjustment Screwdriver ; VFK0328
Alignment Tape ; VFM8080HQFP

1. Set the Tracking Control VR to the center fix position.
2. Connect a oscilloscope to Video RF test Terminal on the Front Panel.
3. Play back the 2-nd portion (Monoscope 2) of the alignment tape (VFM8080HQFP).
4. Adjust the Horizontal Position Screw (Figure M25) of A/C head so that the RF signal becomes maximum level as shown in Figure M27.

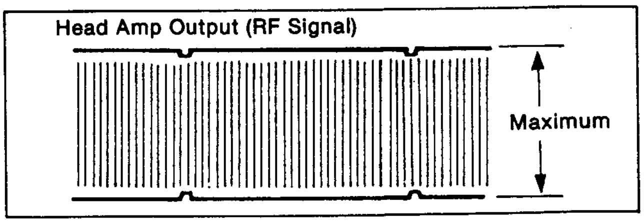


Figure M27

5-3. OTHER MECHANICAL ADJUSTMENT PROCEDURES

5-3-1. MEASUREMENT AND ADJUSTMENT OF BACK TENSION

<<TOOL>>
Back Tension Meter ; VFK0132
VHS Cassette Tape (120 min. tape except S-VHS tape)

A. FWD Tension Adjustment

<<SPEC>>
23g to 27g

1. Play back the cassette tape from the beginning and wait until the tape movement get the stabilization. (for approx. 10 to 20 seconds)
2. Pull the Impedance Roller in the direction indicated the arrow in Figure M28 secure it with a piece of adhesive tape.
3. Insert the Back Tension Meter into the path of a tape, and measure the back tension.

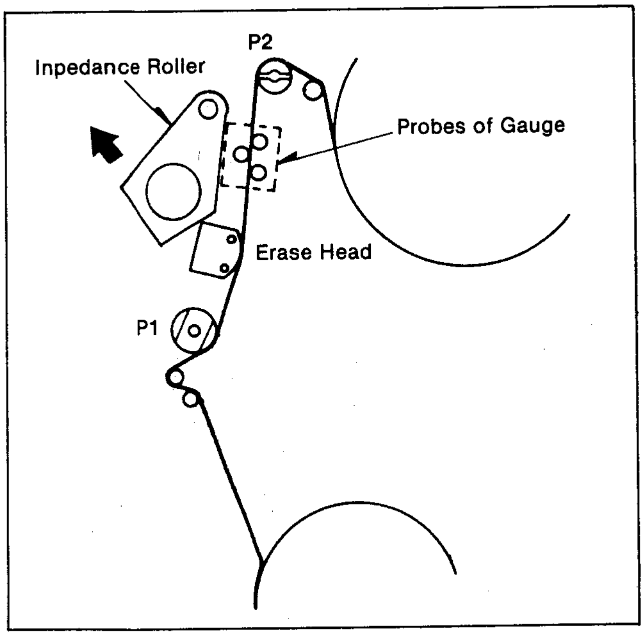


Figure M28 Measurement of Back Tension

4. If it is out of specification, replace the Tension spring.

B. Rev Tension Adjustment

<<SPEC>>
30g to 60g

1. Play back the cassette tape on SP Reverse Play mode from the beginning and wait until the tape movement get the stabilization. (for approx. 10 to 20 seconds)
2. Pull the Impedance Roller in the direction indicated by the arrow in Figure M28 secure it with a piece of adhesive tape.
3. Insert the Back Tension Meter into the path of a tape, and measure the back tension.
4. If it is out of specification, replace the Tension spring.

<<NOTE>>
While measuring, make sure that the three probes of the meter are all in good contact with the tape.
As the tension meter is very sensitive, we recommend taking 3 separate readings.

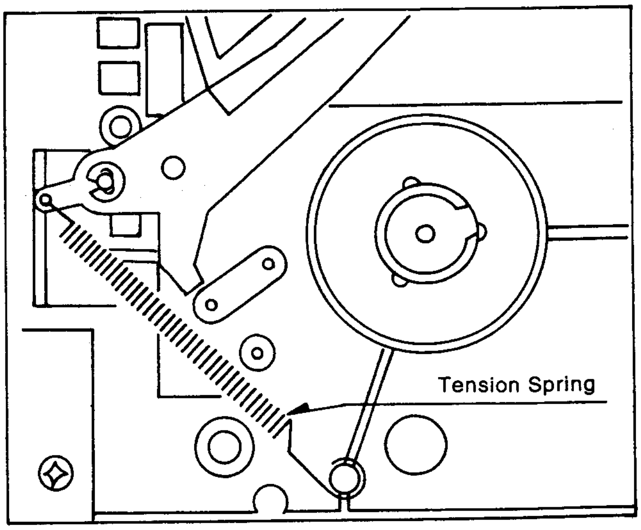


Figure M29

5-3-2. HEIGHT ADJUSTMENT OF THE REEL TABLES

<<TOOL>>
Post Adjustment Plate ; VFK0191
Reel Table Height Gauge ; VFK0190

<<SPEC>>
0 - 0.15mm

1. Remove the cassette compartment.
2. Place the Post Adjustment Plate on the reel tables.
3. Place the Reel Table Height Gauge on the plate so that the scraper of the gauge touches the cut-out portion of the plate, then set the gauge to zero 0 as shown in Figure M30.

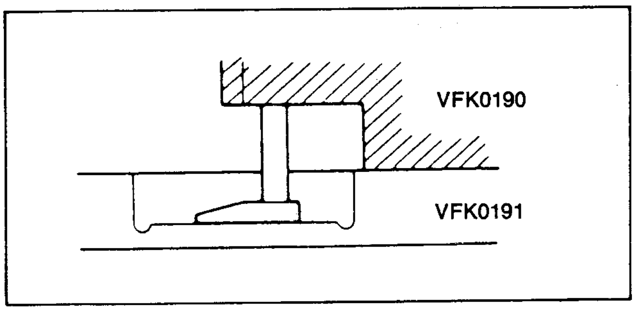


Figure M30

4. Measure the height of the top surface of either Reel Table and note the difference in height from the plate cut-out. (Figure M30 and M31) Repeat this procedures for the other Reel Table.

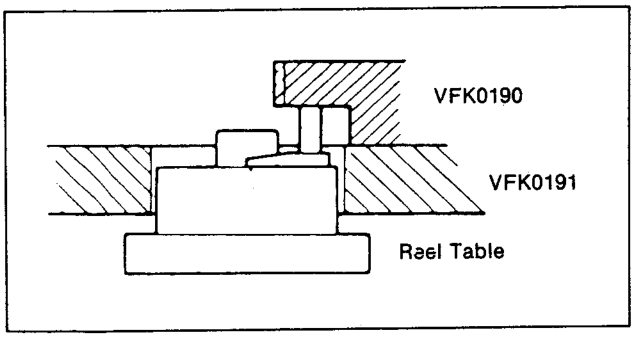


Figure M31

5. If the difference of Supply Reel table is more than 0.15mm higher or lower, replace the Supply Reel table. When the difference of Take Up Reel table is more than 0.15mm higher or lower, adjust nut (A)(Figure M32) so that measurement becomes the spec. If you can not adjust to the spec., replace Take Up Reel table.

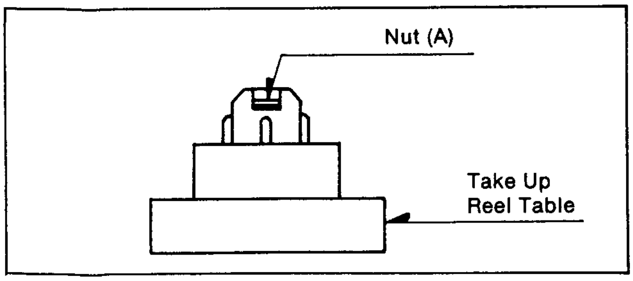


Figure M32

<<NOTE>>
When replacing the tables, the DD Reel Unit needs to be removed from the chassis.
Remove 6 screws and carefully lift it out as shown in Figure M33.

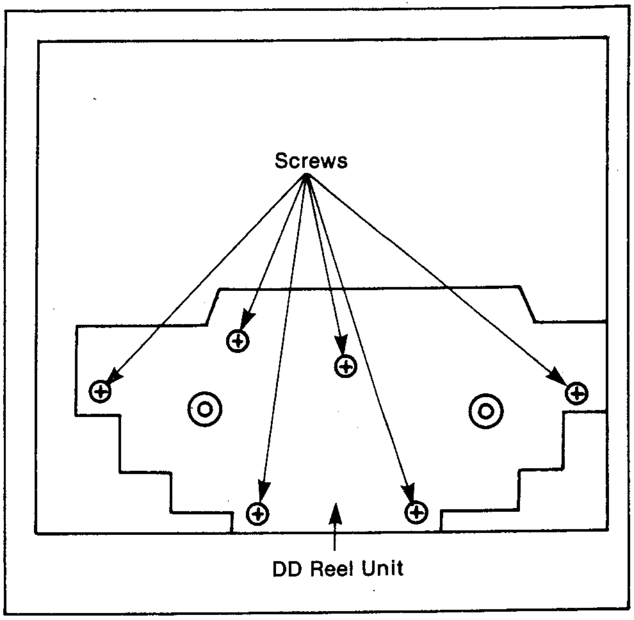


Figure M33 Bottom View of DD Reel Unit

<<NOTE>>
When assembling the DD Reel Unit, slide a Main Rod to far left side by rotating the Center Gear, and then screw the 6 screws.

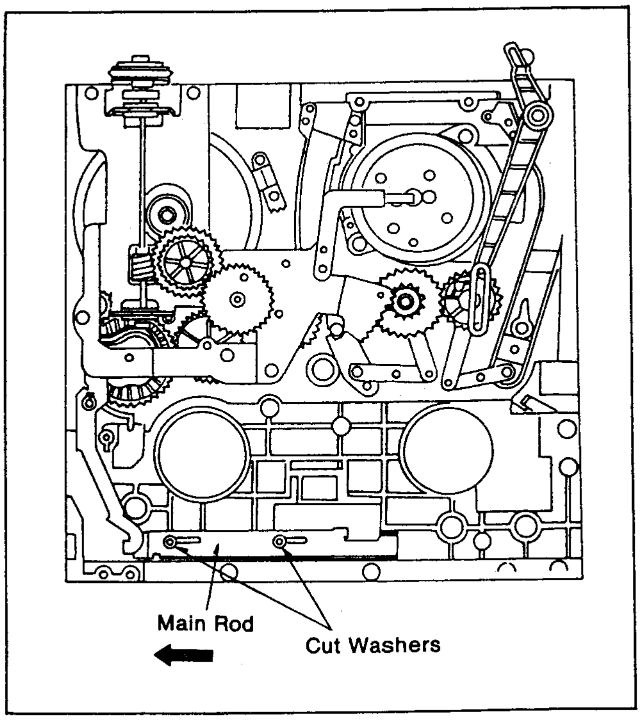


Figure M34

5-3-3. ADJUSTMENT OF THE CAPSTAN THRUST GAP

<<TOOL>>
Reel Table Height Gauge ; VFK0190
Height Adjustment Fixture ; VFK0344

<<SPEC>>
0.5mm +/- 0.05mm

1. Turn a Thrust Adjust Screw slightly until the capstan rotor unit just touches the coil of the capstan stator unit.

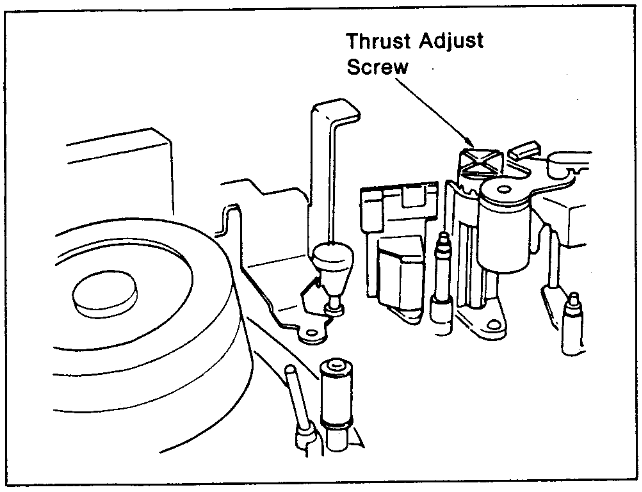

Thrust Adjust Screw

Figure M35

2. Unscrew 4 screws and remove the Gear Base Unit.
3. Set the Height Adjustment Fixture on the capstan Rotor unit as shown Figure M36.

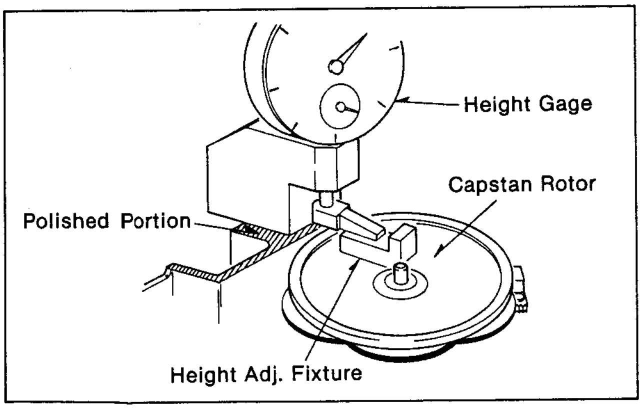

Height Gage
Capstan Rotor
Polished Portion
Height Adj. Fixture

Figure M36

4. Adjust the Thrust Adjust screw so that the thrust gap becomes 0.5mm +/- 0.05mm.

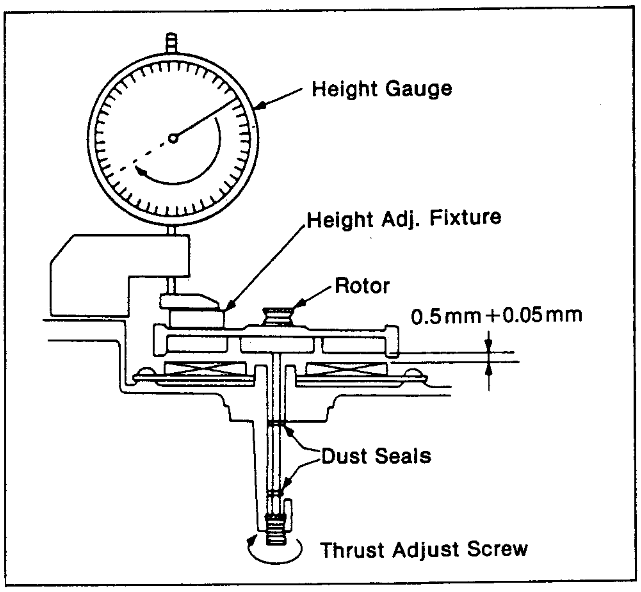

Height Gauge
Height Adj. Fixture
Rotor
0.5mm+0.05mm
Dust Seals
Thrust Adjust Screw

Figure M37

5-3-4. MEASUREMENT AND ADJUSTMENT OF THE BRAKE TORQUE

<<TOOL>>
Torque Gauge ; VFK0133
Adapter for Gauge ; VFK0134

1. Remove the top cover and the cassette compartment.
2. Attach the adapter to the torque gauge and place the deck in STOP mode (Subloading mode).
3. Place the torque gauge on the reel table as shown in Figure M38. The weight of the gauge should not rest on the reel table.
4. Turn the torque gauge in the direction indicated in Figure M39 until the brake begins slipping and read the gauge.

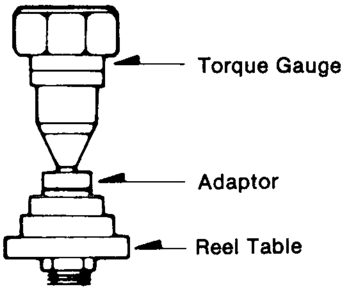
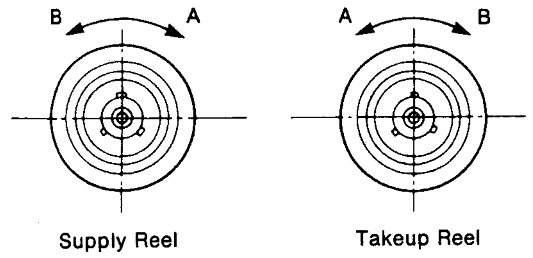


Figure M38 Measuring Method



	A	B
Takeup	more than 550g-cm	more than 50g-om
Supply		more than 40g-cm

Figure M39 Specification of Brake Torque

5. If it is out of specification, replace the Brake Spring.

<<NOTE>>
If the proper brake torque cannot be obtained by replacing the Brake Spring, clean the braking surface of the reel table with a soft cloth and re-measure the brake torque. If its still out of specification, replace the Main Brake (S) or (T) Unit.

5-3-5. ADJUSTMENT OF PRESSING FORCE OF PRESSURE ROLLER UNIT

<<TOOL>>
Fan Type Tension Gauge ; VFK66
Fine Adj. Screwdriver ; VFK0330
VHS 120 min. Cassette Tape

<<SPEC>>
930g +/- 70g

1. Remove the Cassette Compartment.
2. Play back the end portion of VHS (120 min.) tape.
3. Insert a Fine Adj. Screwdriver in the hole (C).
4. Slightly losen the screw (B).
5. Set the Fan Type Tension Gauge to the part (A) of Pinch Roller Unit.
6. Press the Arm with the Gauge, in the direction indicated by the arrow as show in Figure M40.
7. Adjust the Solenoid Base so that the reading of the Tension Gauge is 930g +/- 70g at the moment of the tape running stop.

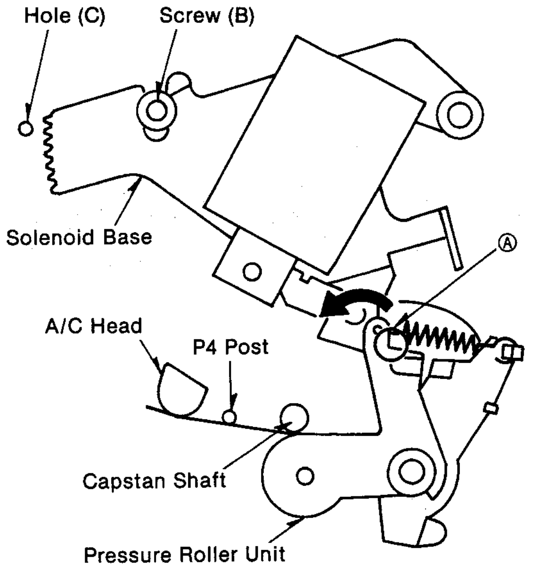


Figure M40

5-3-6. ADJUSTMENT OF REV TENSION SENSOR POSITION

<<TOOL>>
Tension Sensor Adj. Fixture ; VFK0578
Tension Post Adj. Plate ; VFK0236
Fine Adj. Screwdriver ; VFK0330
Digital Volt Meter ; Purchase locally

<<NOTE>>
Assemble a Tension Sensor Adjustment Fixture (VFK0578) and a Tension Post Adj Plate (VFK0236) as shown in Figure M41.

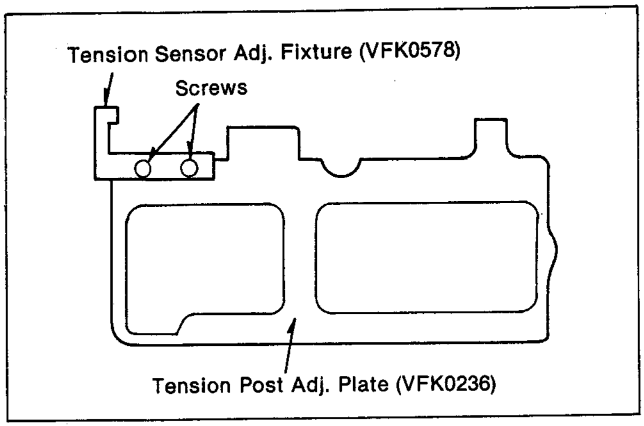

Tension Sensor Adj. Fixture (VFK0578)
Screws
Tension Post Adj. Plate (VFK0236)

Figure M41

1. Remove the Top Plate and Cassette Holder Unit. (refer to Disassemble Procedures)

<<NOTE>>
Do not disconnect 4Pin (exept 2P) flat wire from connector P1508 on the right side of Cassette Compartment.

2. Push the Sub Wiper Arm (R) to direction of Cassette loading.
   Then the Sub Wiper Arm (R) goes down itsedlf and mode of machine change to STOP.
3. Turn the Power switch off.
4. Remove the Cassette Compartment (refer to Disassmbly Procedures) and disconnect 4Pin flat wire form P1508.
5. Connect the V.T.V.M. or D.V.M. to TP2502 on the Reel Servo C.B.A.
7. Place the Tension Post Position Adjustment Plate with the Fixture over the reel tables as shown in Figure M42.

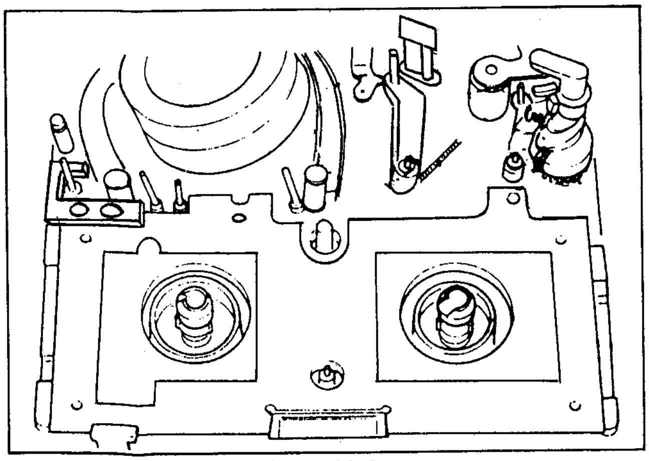


Figure M42

8. Turn the Power switch on.
9. Slightly loosen 2 screws (C). Insert a Fine Adj. Screwdriver in the hold (D). (Figure M43)

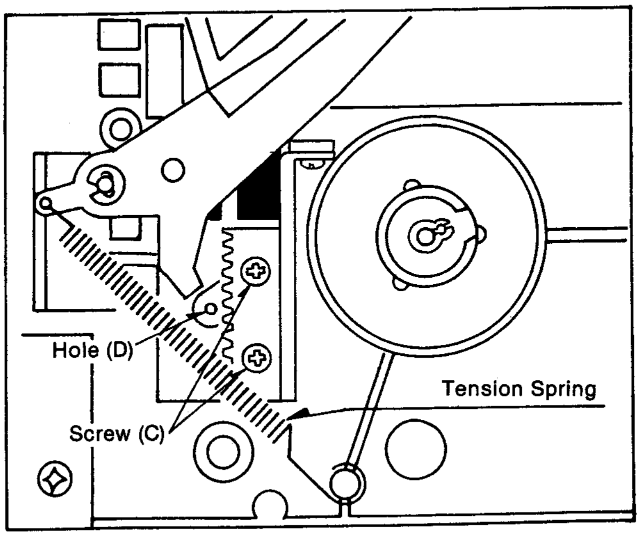


Figure M43

10. Adjust the Rev Sensor Position so that measurement becomes D.C. 2.0V to 2.5V.
11. Remove the Tension Sensor Fixture.
12. Reinstall the Cassette Compartment.
13. Confirm Playback picture (Rev Playback mode, Playback mode etc.)

5-3-7. ADJUSTMENT OF FG HEAD GAP

<<SPEC>>
0.17mm to 0.18mm

1. Slightly loosen 2 screws. (Figure M44)
2. Put the paper which is used for cover page of this volume into the gap between F.G. Head and Capstan rotor. (The thickness of the cover page is approx. 0.17mm).
3. After adjustment, tighten 2 screws.

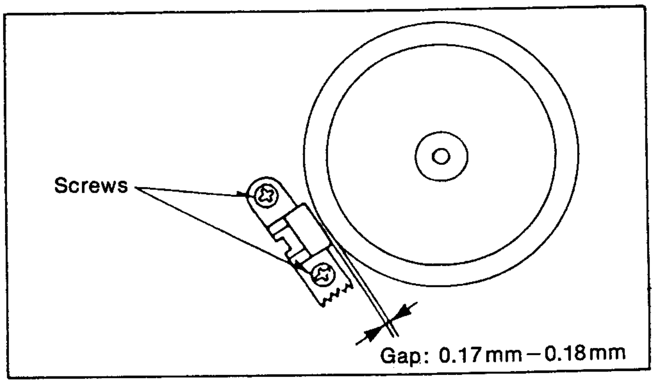


Figure M44

<<NOTE>>
Do not touch the surface of rotor and keep any magnetizable material away.

5-4. ASSEMBLY AND ADJUSTMENT PROCEDURES OF MECHANISM

The mechanism of this model is mostly engaged to the System Control Circuit, through the mode select switch.
Therefore the relation between the mode select switch and the cam gear decides all further mechanical movement of the mechanical parts such as levers, gears, rollers and so on.
If these parts are not fixed properly, the unit will be unloaded or compulsorily stopped.
And it will result being damaged at any mechanical or electrical parts.
The overall mechanical condition (alignment) of bottom and top view are shown in Figure M45 and Figure M46. This mechanical adjustment is performed in the STOP mode.

5-4-1. CONFIRMATION OF ALIGNMENT CONDITION

1. Remove the Loading Belt.
2. Unscrew 4 screws and remove the Gear Base Unit.(Figure M45)
3. Turn the Center Gear to counter-clockwise until 2 big holes of Center Gear align with 2 big holes of Retainer Gear and Ring Gear and Chassis as shown in Figure M47.
4. Identification hole on the Mode Select Switch at 6 oclock position and aligned with small hole on Pinch Cam as shown in Figure M46.
5. P5 Arm is completely loading position and the Inclined Base (S) and (T) are completely unloading position.

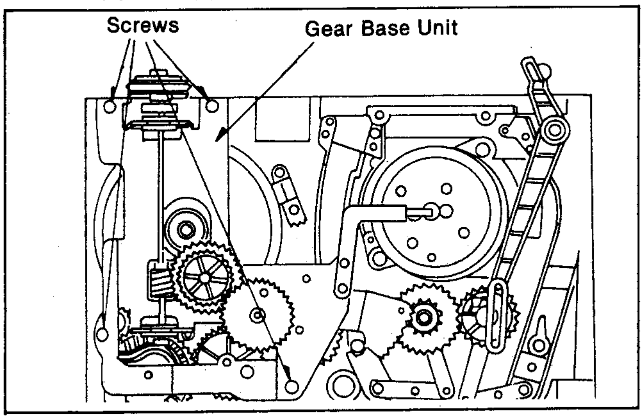

Screws
Gear Base Unit

Figure M45

6. Small hole on Sub Cam Gear should align with small hole on the Connection Gear and rectangular mark on the Connection Gear should be at a 3 oclock position.
7. Pressure Roller Unit is UP position.

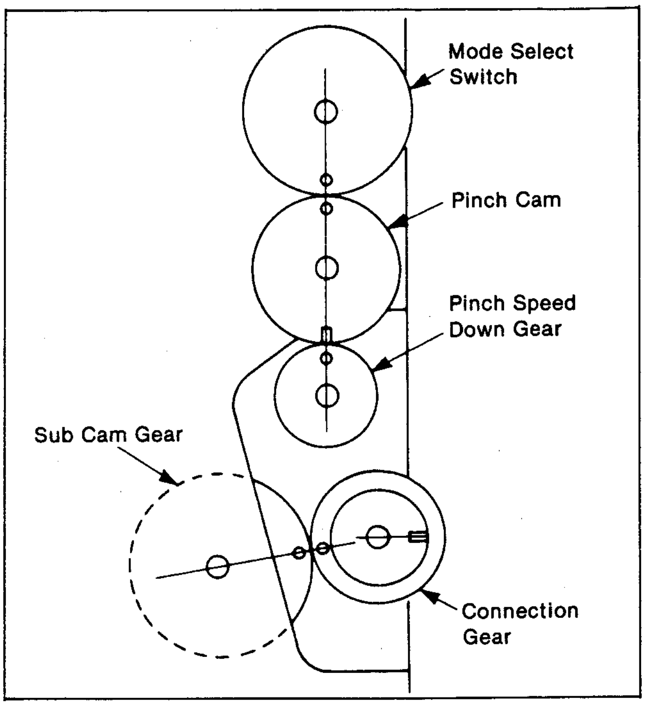

Mode Select Switch
Pinch Cam
Pinch Speed Down Gear
Sub Cam Gear
Connection Gear

Figure M46 Top View of Overall IQ-Mechanical Condition

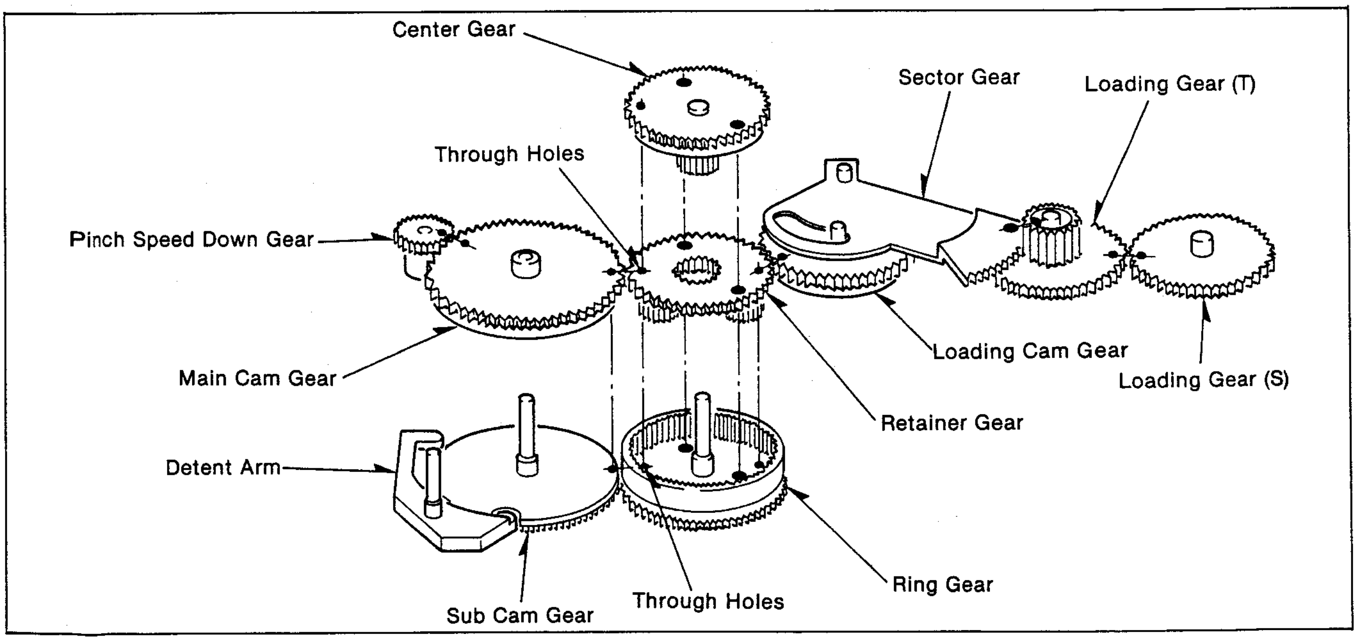

Center Gear
Sector Gear
Loading Gear (T)
Through Holes
Pinch Speed Down Gear
Loading Cam Gear
Main Cam Gear
Loading Gear (S)
Retainer Gear
Detent Arm
Ring Gear
Sub Cam Gear
Through Holes

Figure M47 Bottom View of Overall Mechanical Condition

5-4-2. ASSEMBLY PROCEDURES OF SUB CAM GEAR, RING GEAR AND DETENT ARM

1. Install the Ring Gear so that the two holes on the Ring Gear align with the two holes on the chassis as shown in Figure M48.
2. Install the Sub Cam Gear so that the large hole on Sub Cam Gear aligns with the hole on chassis. Also the small hole (located just outside of large hole) on Sub Cam Gear should align with the hole on Ring Gear as shown in Figure M48.
3. Confirm that the small hole on Sub Cam Gear is aligned with the small hole on Connection Gear as shown in Figure M46 (In case of the Connection Gear is already installed).
4. Install the Detent Arm and make sure Detent Arm seats perfectly in detent of Sub Cam Gear as shown in Figure M48.

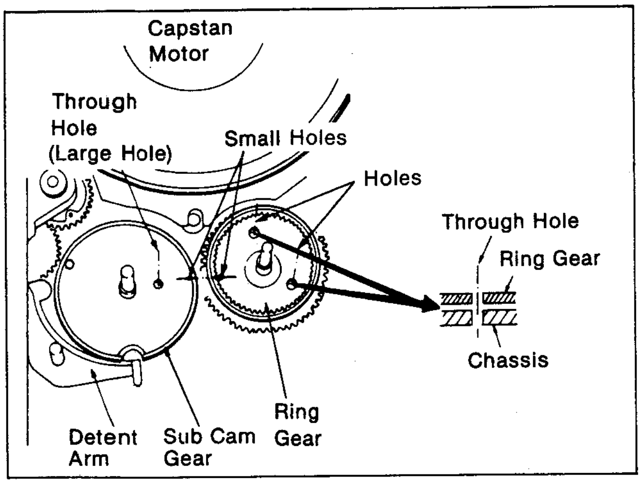

Capstan Motor
Through Hole (Large Hole)
Small Holes
Holes
Through Hole
Ring Gear
Chassis
Detent Arm
Sub Cam Gear
Ring Gear

Figure M48

5-4-3. ASSEMBLY PROCEDURES OF MAIN CAM GEAR AND PINCH SPEED DOWN GEAR

1. Install the Main Cam Gear onto the Sub Cam Gear so that the small hole on the Main Cam Gear aligns with small hole on the Ring Gear as shown in Figure M49.
2. Insert a retaining ring.
3. Install the Pinch Speed Down Gear from top side of chassis so that the small hole on the Main Cam Gear aligns with small hole on the Pinch Speed Down Gear as shown in Figure M49.

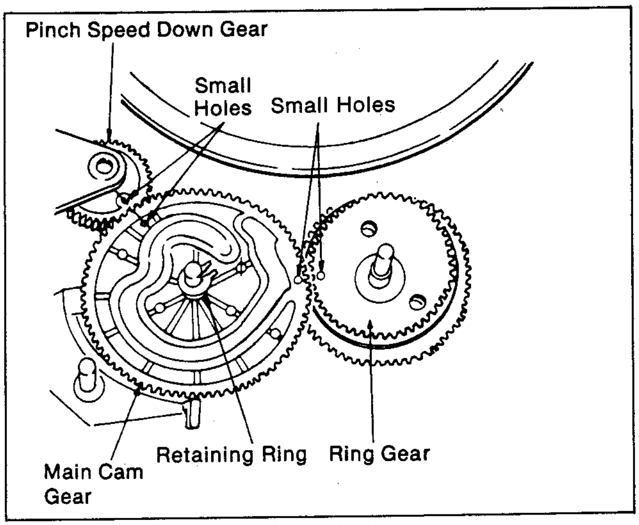

Pinch Speed Down Gear
Small Holes
Small Holes
Main Cam Gear
Retaining Ring
Ring Gear

Figure M49

5-4-4. ASSEMBLY PROCEDURES OF LOADING CAM GEAR AND RETAINER GEAR

1. Install the Retainer Gear onto the Ring Gear so that the two holes on the Retainer Gear align with the two holes on the Ring Gear, at this time, small hole on the Main Cam Gear should aligns with small hole on the Retainer Gear as shown in Figure M50.
2. Install the Loading Cam Gear so that the small hole which is directly outside of the large hole on the Loading Cam Gear is aligned with the outside hole of the Retainer Gear as shown in Figure M50.

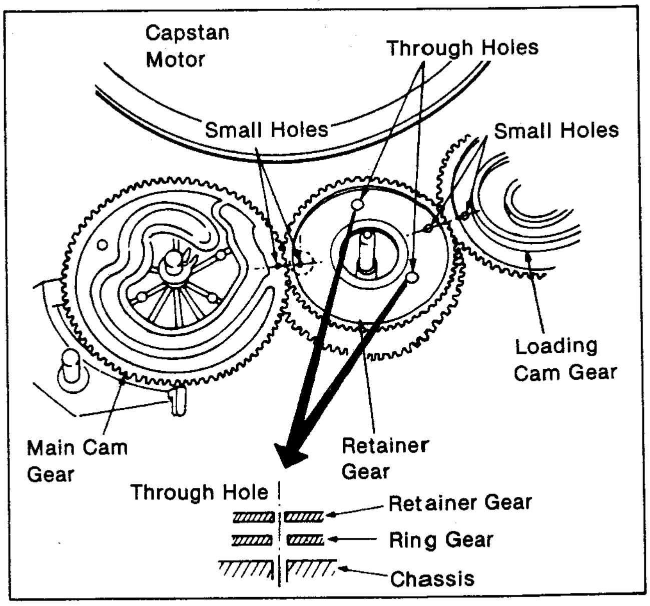

Capstan Motor
Through Holes
Small Holes
Small Holes
Loading Cam Gear
Main Cam Gear
Retainer Gear
Through Hole
Retainer Gear
Ring Gear
Chassis

Figure M50

5-4-5. ASSEMBLY PROCEDURES OF CENTER GEAR

1. Softly Install the Center Gear onto the Retainer Gear so that the two holes in the Center Gear align with the holes on the Retainer Gear, then install the cut washer as shown in Figure M51.

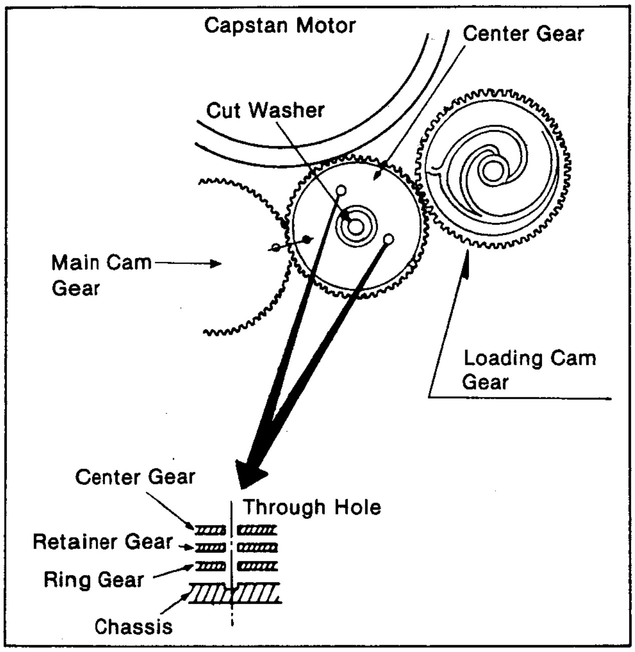

Capstan Motor
Center Gear
Cut Washer
Main Cam Gear
Loading Cam Gear
Center Gear
Through Hole
Retainer Gear
Ring Gear
Chassis

Figure M51

5-4-6. ASSEMBLY PROCEDURES OF MAIN LEVER AND CAM FOLLOWER ARM UNIT

1. Install the Main Rod and then insert the cut washers as shown in Figure M52.
2. Install the Cam Follower Arm so that the pin of the Cam Follower Arm inserts into the groove of the Main Cam Gear and also inserts into the slot on the Main Rod, insert the retaining ring.

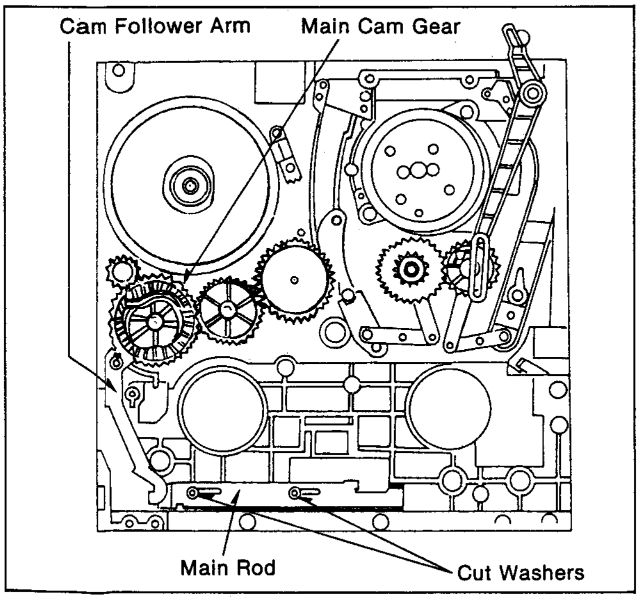

Cam Follower Arm
Main Cam Gear
Main Rod
Cut Washers

Figure M52

5-4-7. ASSEMBLY PROCEDURES OF LOADING GEAR (T), LOADING GEAR (S) SECTOR GEAR

1. Set the P2 and P3 posts to fully unloaded position, then install the Loading Gear (T) and (S) so that the outer hole on the Loading Gear (T) aligns with the outer hole on the Loading Gear (S) as shown in Figure M53.
2. Install the Sector Gear so that the outer hole in the Sector Gear aligns with the projection mark on Loading Gear (T).
3. Insert 3 retaining rings as shown in Figure M54.

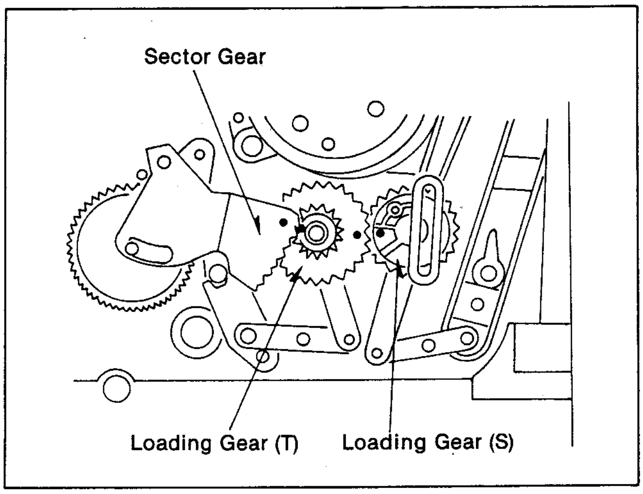

Sector Gear
Loading Gear (T)
Loading Gear (S)

Figure M53

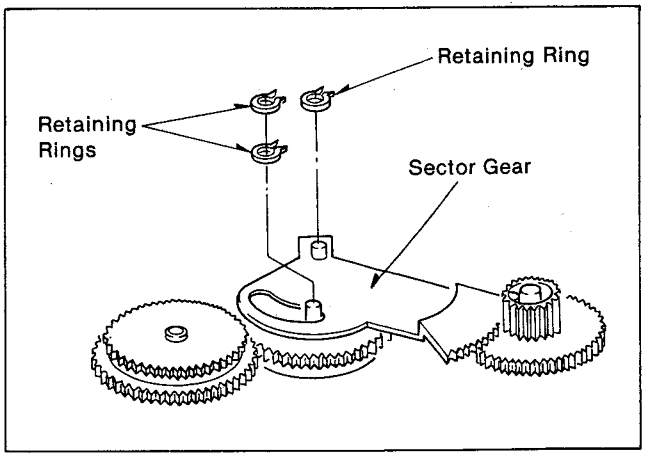
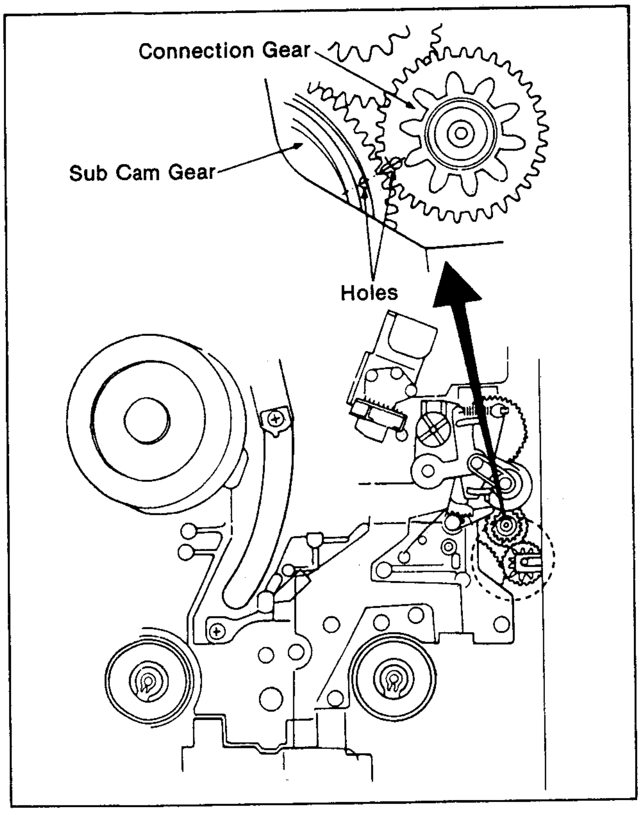

Retaining Ring
Retaining Rings
Sector Gear

Figure M54

5-4-8. ASSEMBLY PROCEDURES OF CONNECTION GEAR

<<NOTE>>
Before assembling, Sub Cam Gear position (and positions of bottom side gears) must be correct as described before (Figure M46).

1. Install the Connection Gear so that the small hole on the Connection Gear aligns with the small hole on the Sub Cam Gear as shown in Figure M55.

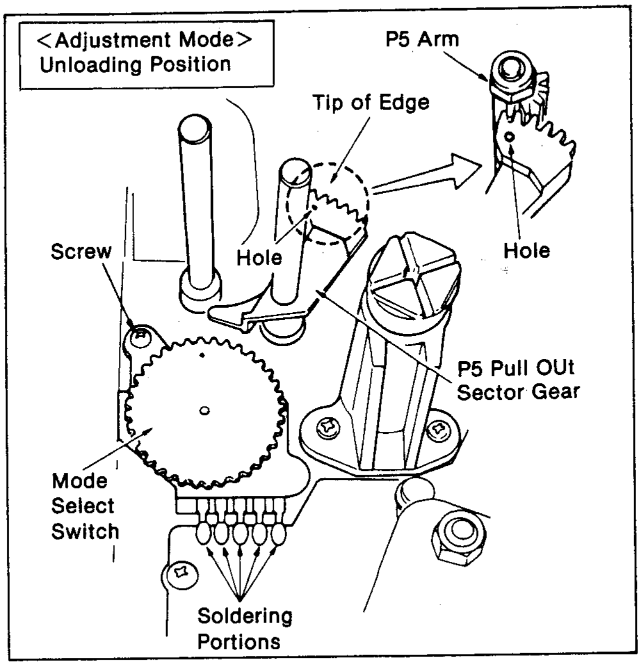


Connection Gear
Sub Cam Gear
Holes

Figure M55

5-4-9. ASSEMBLY PROCEDURES OF MODE SWITCH AND P5 PULL OUT SECTOR GEAR

1. Turn the Center Gear to unloading position.
2. Install the Mode Select Switch and tighten the mounting screw, then solder the 5 soldering portions.
3. Install the P5 Pull Out Sector Gear so that the hole of P5 Pull Out Sector Gear aligns with the tip of gear at P5 Arm as shown in Figure M56.

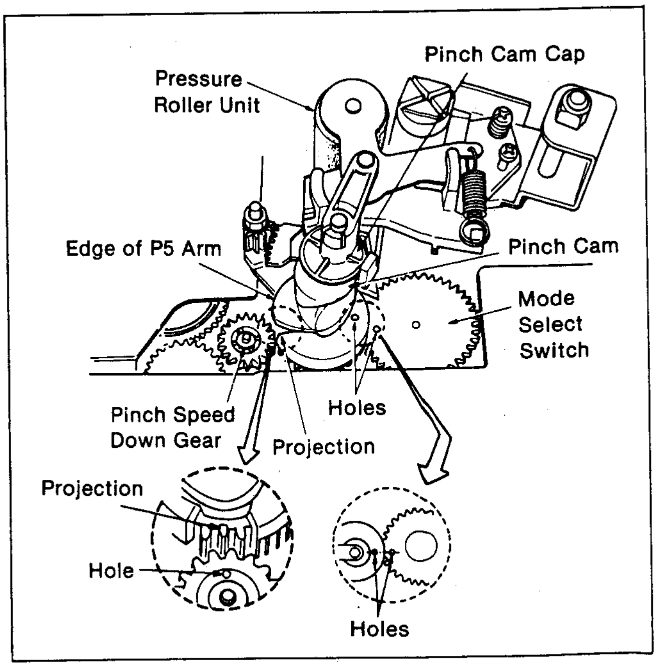


<Adjustment Mode>
Unloading Position
P5 Arm
Tip of Edge
Screw
Hole
Hole
P5 Pull OUt Sector Gear
Mode Select Switch
Soldering Portions

Figure M56

5-4-10. ASSEMBLY PROCEDURES OF PINCH CAM AND PRESSURE ROLLER UNIT

1. Install the Pinch Cam while pushing the P5 post forward. The gear of the Pinch Cam should drop to a seated position. In this position make sure hole in the Mode Select Switch aligns with small hole on the Pinch Cam, also the small rift on the Pinch Cam should align with the hole on the Pinch Speed Down Gear as shown in Figure M57.
2. Install the Pressure Roller Unit. Make sure the seats perfectly onto the Pinch Cam, then install the Pinch Cam Cap.



Pinch Cam Cap
Pressure Roller Unit
Edge of P5 Arm
Pinch Cam
Mode Select Switch
Pinch Speed Down Gear
Holes
Projection
Projection
Hole
Holes

Figure M57

5-4-11. ASSEMBLY PROCEDURES OF GEAR BASE UNIT

1. Install the Gear Base Unit and screw 4 screws as shown in Figure M58.

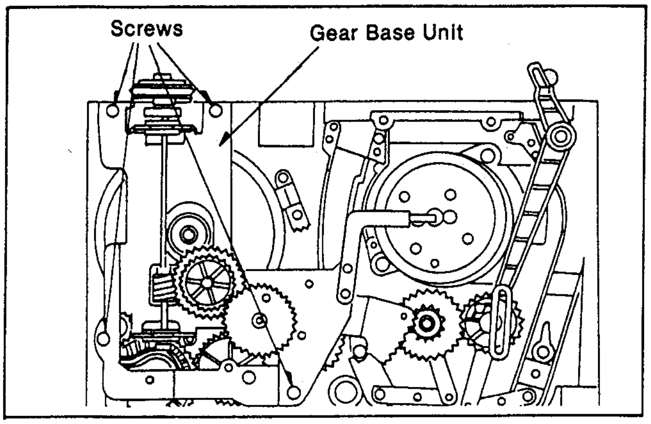


Figure M58

<<NOTE>>
The Gear Base Unit has 2 gears and wormshaft. There is no adjustment for these gears.

5-4-12. REINSTALLATION OF CASSETTE COMPARTMENT

When you reinstall the cassette compartment, the position adjustment of mechanism is necessary for correct operation, as follows.

A. Confirmation of STOP Alignment Condition

1. Turn the Wormshaft counter-clockwise or clockwise until mechanism is placed into the Alignment Condition as following conditions.

   a) Identification hole on the Mode Select Switch at 6 oclock position and aligned with small hole on Pinch Cam. (Figure M57)
   b) P5 Arm is completely loading position and the Inclined Base (S) and (T) are completely unloading position.
   c) Small hole on Sub Cam Gear should align with small hole on the Connection Gear (Figure M55) and rectangular mark on the Connection Gear should be at a 3 oclock position.
   d) Pressure Roller Unit is UP position.

B. Confirmation of Cassette Compartment

1. Confirm that the Cassette Compartment is aligned properly. In the EJECT position (Cassette Holder up and advanced to the front) the two V-shaped marks on the slide switch should align. The slide switch is located on the right side of the Cassette Assembly towards the rear as shown in Figure M59.

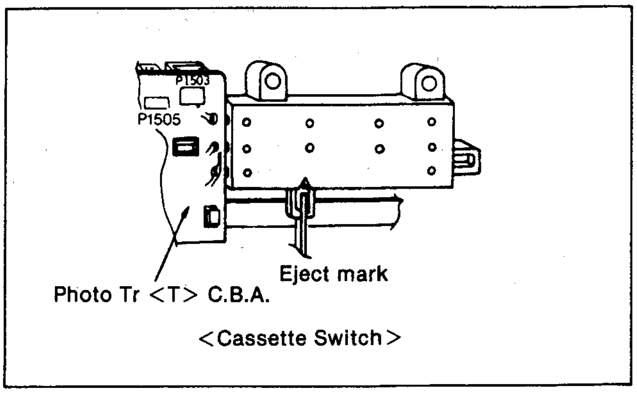


Figure M59

2. Remove 3 screws (A) as shownin Figure M60.
3. Take the top plate out.
4. Take the cassette Holder unit out as shown in Figure M61.

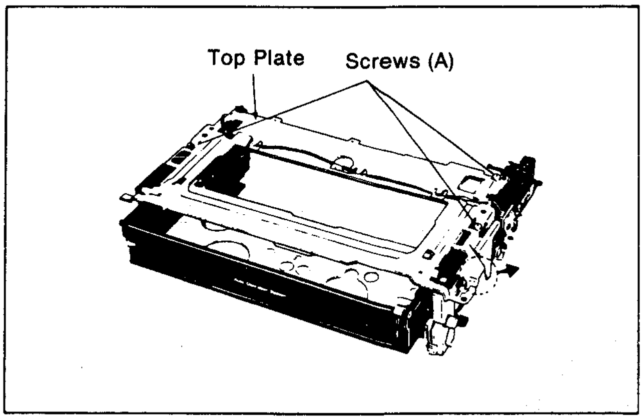


Figure M60

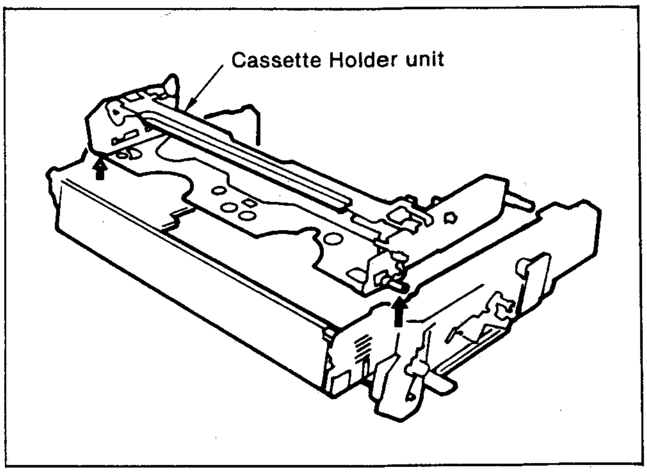


Figure M61 Removal of cassette holder unit

5. Press the sub wiper arm (R) to direction indicated by arrow so that the sub wiper arm (R) comes to cassette down position (STOP) completelyas shown in Figure M62 and keepit.
   In this position, the arrow on the Sub Wiper Arm (R) should align with the arrow on the Rack (A)(1) Unit as shown in Figure M63.

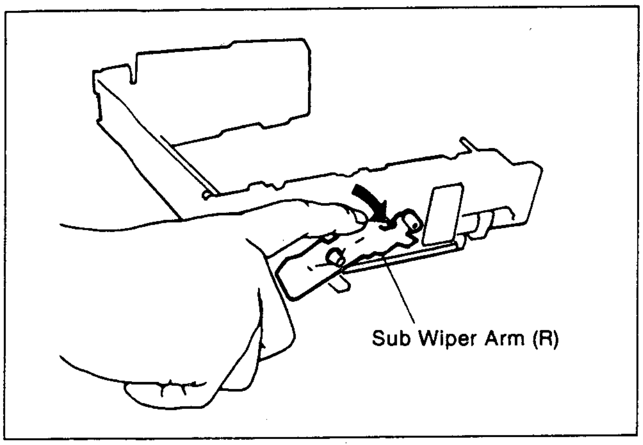

Sub Wiper Arm (R)

Figure M62

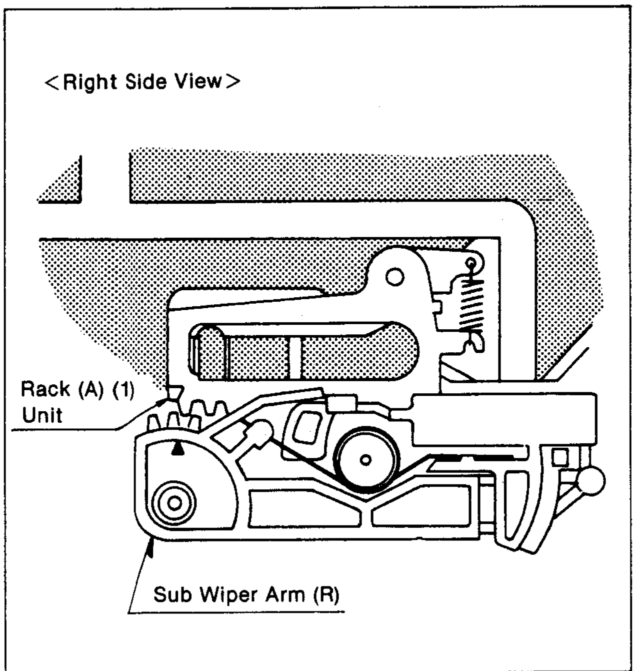

<Right Side View>
Rack (A) (1) Unit
Sub Wiper Arm (R)

Figure M63

6. If the Cassette Compartment is not aligned, re-alignment may be accomplished by pushing the Main Shaft Unit to the right (gently) and pushing the front of the Rack Unit to the left. This procedure will disengage the teeth of the Rack Gear from the teeth on Sub Wiper Arm assembly. This will allow you to change the positional relationship between the Sub Wiper Arm Assembly and Rack Unit. This procedure is best attempted in the EJECT position. Once this is done, check for smooth operation of the compartment by inserting a cassette, and pushing in, and down.

C. Installation Procedure

1. Bring loading mechanism to the STOP (Sub-load) position.
2. Confirm that the chassis is aligned properly for Alignment Condition as shown in Figure M46 and M47.
3. Put the Sub Wiper Arm (R) in its full down position (Sub Wiper Arm should rest on plastic protrusion on the bottom of the right side plate).
4. Install the cassette compartment (without cassette holder) to chassis so that the rectangular marking (or slot) on the connection gear should be line up with first tooth of the Rack Gear as shown in Figure M64 and M65.

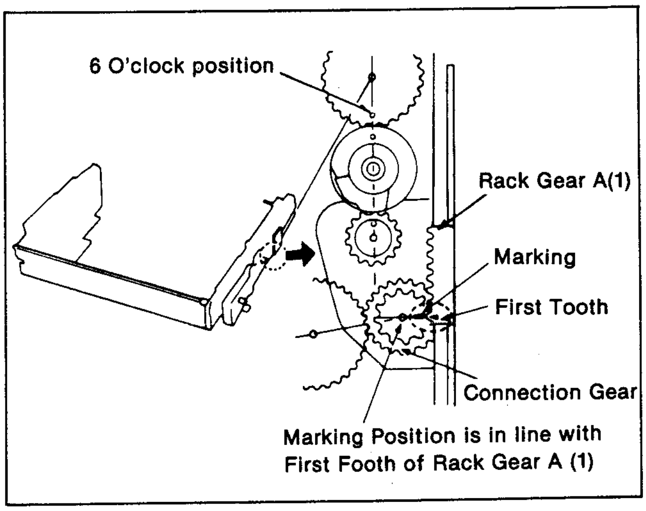

6 O'clock position
Rack Gear A(1)
Marking
First Tooth
Connection Gear
Marking Position is in line with First Footh of Rack Gear A (1)

Figure M64

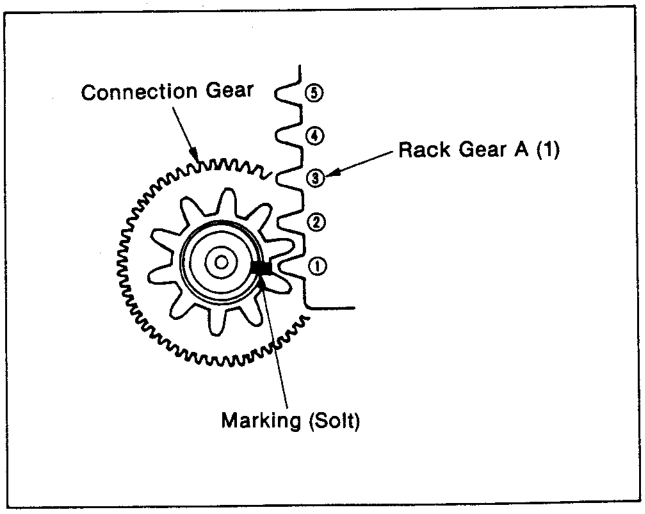

Connection Gear
⑤
④
③
②
①
Rack Gear A (1)
Marking (Solt)

Figure M65

5. Tighten the 4 screws (D) as shown in Figure M66.

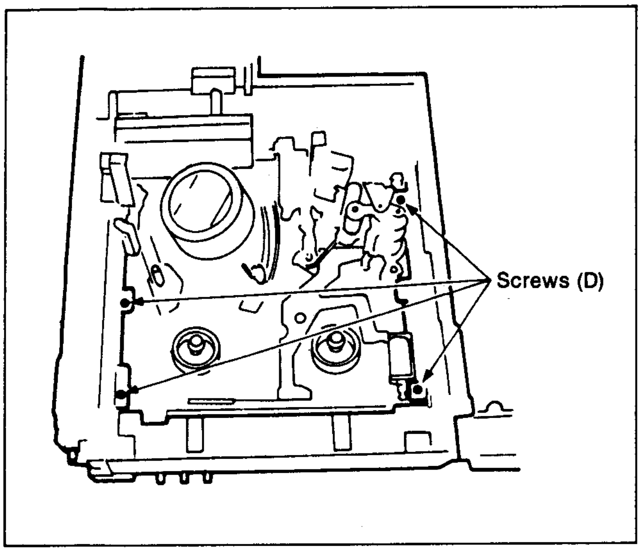
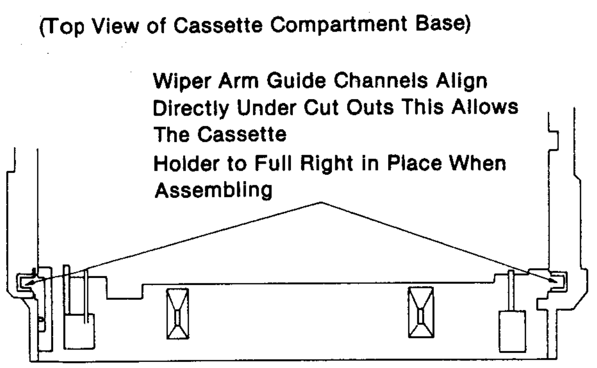


Figure M66

6. Manually move the loading mechanism toward the EJECT position.
7. Stop the manual eject procedure just before completion, so that the Sub Wiper Arms straight up. This position is also characterized by the channel guides (In the Wiper Arms) being directly under the cut outs on the top of the Cassette Compartment base(Figure M67).
8. Install the Cassette Holder Unit in the Cassette Compartment Base. The Cassette Holder should drop into place if the Sub Wiper Arms are portioned as called for in step 7.


(Top View of Cassette Compartment Base)
Wiper Arm Guide Channels Align Directly Under Cut Outs This Allows The Cassette Holder to Full Right in Place When Assembling

∗ Please Note This is Not Final Eject Position.

Figure M67

<<NOTE>>

For proper front loading, the guide pin on the opener lever should follow the upper track of the right side panel as shown in Figure M68.

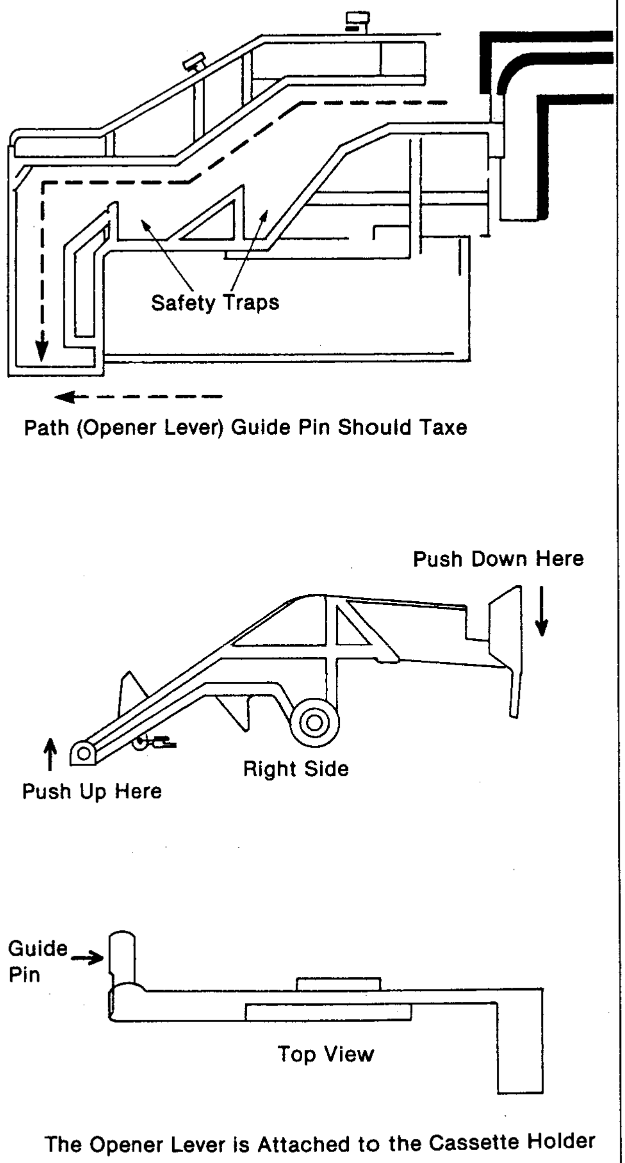

Safety Traps
Path (Opener Lever) Guide Pin Should Taxe
Push Down Here
Push Up Here
Right Side
Guide Pin
Top View
The Opener Lever is Attached to the Cassette Holder

Figure M68 Right Side Plate

9. Install the top plate on the Cassette Compartment Base and tighten the 2 screws (A) as shown in Figure M60.
10. Manually confirm that front loading and main loading run smoothly. Also confirmEJECT before power is applied.

Section 6

ELECTRICAL ADJUSTMENTS

CONTENTS

6-1. TEST & SERVICE EQUIPMENT 6-4

6-2. HOW TO USE THE EXTENDER BOARD; VFK0646 6-4

6-3. ADJUSTMENT PROCEDURES 6-5

6-3-1. SERVO SECTION 6-5

6-3-1-1. Tracking Fix Adj. 6-5
6-3-1-2. PG Shifter Adj. 6-5
6-3-1-3. SS Head Switch Adj. 6-5

6-3-2. VIDEO REC SECTION (AG-7750 only) 6-6

6-3-2-1. AGC Level Adj. 6-6
6-3-2-2. AD Input Level Adj. 6-6
6-3-2-3. Manual Level Adj. 6-6
6-3-2-4. VITC Level Adj. 6-7
6-3-2-5. CLK Phase Adj. 6-7
6-3-2-6. REC Sub Emphasis Input Adj. 6-7
6-3-2-7. Separated Y Level Adj. 6-8
6-3-2-8. REC Sub Emphasis Power Voltage Adj. 6-8
6-3-2-9. REC Sub Emphasis Limiter Adj. 6-8
6-3-2-10. S-VHS Deviation Adj. 6-9
6-3-2-11. VHS Deviation (Color) Adj. 6-9
6-3-2-12. VHS Deviation (B/W) Adj. 6-10
6-3-2-13. S-VHS White & Dark Clip Adj. 6-10
6-3-2-14. VHS White & Dark Clip Adj. 6-10
6-3-2-15. Video Level Meter Adj. 6-11
6-3-2-16. REC VCO Adj. 6-16
6-3-2-17. Chroma S-VHS REC Current Adj. 6-17
6-3-2-18. REC Y/C Delay Adj. 6-12
6-3-2-19. Chroma VHS REC Current Adj. 6-13
6-3-2-20. DUB Chroma REC Current Adj. 6-20
6-3-2-21. S-VHS Y REC Current Adj. 6-14
6-3-2-22. VHS Y REC Current Adj. 6-14
6-3-2-23. E-E DUB C Out Level Adj. 6-14

6-3-3. VIDEO P.B. SECTION 6-15

6-3-3-1. S-VHS Limiter & Demodulator Balance Adj. 6-15
6-3-3-2. PB Sub Emphasis Input Level Adj. 6-15
6-3-3-3. PB Sub Emphasis Power Adj. 6-16
6-3-3-4. PB Sub Emphasis Limiter Adj. 6-16
6-3-3-5. S-VHS PB Y Level Adj. 6-16
6-3-3-6. VHS PB Y (Color) Level Adj. 6-17
6-3-3-7. VHS PB Y (B/W) Level Adj. 6-17
6-3-3-8. Y/C Filter Adj. (1) 6-18
6-3-3-9. Y/C Filter Adj. (2) 6-18
6-3-3-10. Y/C Filter Adj. (3) 6-19
6-3-3-11. Drop Out Level Adj. 6-19
6-3-3-12. Noise Cancel Input Level Adj. (1) 6-20
6-3-3-13. Noise Cancel Input Level Adj. (2) 6-20
6-3-3-14. Noise Cancel Adj. 6-21
6-3-3-15. Linearity Adj. 6-21
6-3-3-16. Line Out Level Adj. 6-22
6-3-3-17. Sync Level Adj. 6-22
6-3-3-18. Monitor Out Level Adj. 6-23
6-3-3-19. S-VHS Y Output Level Adj. 6-23
6-3-3-20. OSD Free Run Frequency Adj. 6-24
6-3-3-21. OSD Caractor Width Adj. 6-24
6-3-3-22. S-VHS Ringing Adj. (1) 6-24
6-3-3-23. S-VHS Normal Equalizer Adj. 6-25
6-3-3-24. S-VHS Ringing Adj. (2) 6-26
6-3-3-25. S-VHS S Equalizer Adj. 6-26
6-3-3-26. S-VHS RF Level Adj. 6-27
6-3-3-27. VHS CH1 EQ & CH2 EQ Adj. 6-27
6-3-3-28. VHS RF Level Adj. 6-28
6-3-3-29. S-VHS Super Limiter Adj. 6-28
6-3-3-30. Tracking Meter Adj. 6-29
6-3-3-31. VHS Video Equalizer (Color) Adj. 6-29

6-3-3-32. VHS Video Equalizer (B/W) Adj. 6-29
6-3-3-33. Reference Frequency Adj. 6-30
6-3-3-34. PB VCO Adj. 6-30
6-3-3-35. Chroma Comb Filter Adj. 6-30
6-3-3-36. CAC White Balance Adj. 6-31
6-3-3-37. CAC Level Adj. 6-31
6-3-3-38. CNR Y Balance Adj. 6-32
6-3-3-39. CNR Adj. 6-32
6-3-3-40. PB Chroma Out Level Adj. 6-33
6-3-3-41. E-E S-VHS Y/C Delay Adj. (AG-7750 only) 6-34
6-3-3-42. E-E VHS Y/C Delay Adj. (AG-7750 only) 6-34
6-3-3-43. PB S-VHS Y/C Delay Adj. 6-35
6-3-3-44. PB VHS Y/C Delay Adj. 6-35
6-3-3-45. PB S-VHS DUB Y/C Delay Adj. 6-35
6-3-3-46. PB VHS DUB Y/C Delay Adj. 6-36
6-3-3-47. PB DUB C Out 6-36
6-3-3-48. Flying Erase Current Adj. (AG-7750 only) 6-36

6-3-4. AUDIO SECTION 6-37

6-3-4-1. Normal Audio Input Adj. (AG-7750 only) 6-37
6-3-4-2. Hi-Fi Audio Input Adj. (AG-7750 only) 6-37
6-3-4-3. Audio Jack Output Balance Adj. 6-38
6-3-4-4. Audio Meter Adj. (for AG-7750) 6-39
6-3-4-5. Normal Audio PB Frequency Responce Adj. 6-39
6-3-4-6. Normal Audio PB Gain Adj. 6-39
6-3-4-7. Normal Audio Output Level Adj. (AG-7750 only) 6-40
6-3-4-8. Normal Audio Erase Current Adj. (AG-7750 only) 6-40
6-3-4-9. Normal Audio Bias Current Adj. (AG-7750 only) 6-40
6-3-4-10. Normal Audio REC Current Adj. (AG-7750 only) 6-41
6-3-4-11. Normal Audio Frequency Response Adj. (AG-7750 only) 6-41
6-3-4-12. Normal Audio Time Code Meter Adj. 6-42
6-3-4-13. Hi-Fi Audio Head Switching Shifter Adj. 6-42
6-3-4-14. Hi-Fi Audio Carrier Frequency Adj. 6-42
6-3-4-15. Hi-Fi Audio Deviation Adj. (AG-7750 only) 6-43
6-3-4-16. Hi-Fi Audio REC Current Adj. (AG-7750 only) 6-44
6-3-4-17. Hi-Fi Audio PB Level Adj. (AG-7650 only) 6-44
6-3-4-18. Hi-Fi Audio Output Level Adj. (AG-7650 only) 6-44
6-3-4-19. Audio Meter Adj. (for AG-7650) 6-45

6-3-5. TBC SECTION 6-45

6-3-5-1. S/H Adj. 6-45
6-3-5-2. 14.3MHz VCO Adj. 6-45
6-3-5-3. REF. SCH Adj. 6-46
6-3-5-4. System SC Phase Adj. 6-46
6-3-5-5. SCH Phase Adj. 6-47
6-3-5-6. System H Phase Adj. 6-47
6-3-5-7. APC Adj. 6-47
6-3-5-8. Y A/D Level Adj. 4-48
6-3-5-9. Hue Preset Adj. 6-48
6-3-5-10. Output Bias Adj. 6-49
6-3-5-11. C Input Level Adj. 6-49
6-3-5-12. R-Y AD Level Adj. 6-50
6-3-5-13. B-Y AD Level Adj. 6-50
6-3-5-14. Set Up Adj. 6-51
6-3-5-15. Sync Level Adj. 6-51
6-3-5-16. Y Level Adj. (1) 6-52
6-3-5-17. Y Level Adj. (2) 6-52
6-3-5-18. C AD Reference Adj. 6-53
6-3-5-19. Burst Width Adj. 6-53
6-3-5-20. Carrier Leak Adj. (1) 6-54
6-3-5-21. Carrier Leak Adj. (2) 6-54
6-3-5-22. Chroma & Burst Level Adj. 6-55
6-3-5-23. Chroma Vector Balance Adj. 6-55
6-3-5-24. Burst Phase Adj. 6-56
6-3-5-25. Hue Chroma Burst Level Adj. 6-57
6-3-5-26. TBC Y/C Delay Adj. 6-58
6-3-5-27. Video Phase Adj. 6-59

CIRCUIT BOARD LAYOUT 6-60

LOCATION OF TEST POINTS AND CONTROLS 6-61

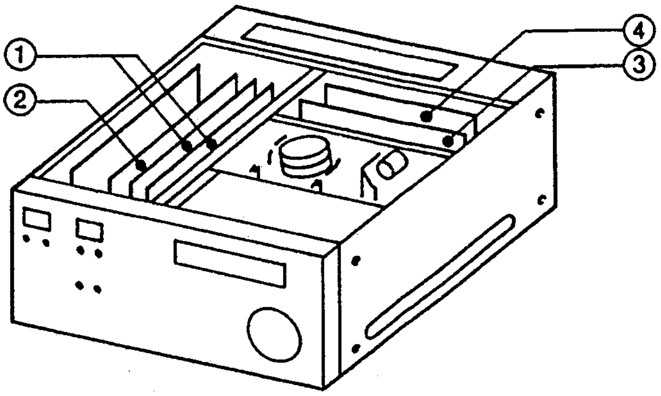
6-1. TEST & SERVICE EQUIPMENT

No.	EQUIPMENT	CAPACITY
1	VTVM(Vacuum Tube Volt Meter) or DVM(Digital Volt Meter)	0.001 to 50V
2	Dual-Trace Oscilloscope (with Probes)	0.005 to 50V/div, DC to 20MHz
3	Frequency Counter	0 to 10MHz
4	Sinewave Signal Generator (RC Oscillator)	0 to 10MHz
5	Video Sweep Generator	0 to 10MHz
6	Waveform Monitor	
7	Video Signal Generator(Composite)	Color Bar / Multi Burst / Sin^2 Pulse & Bar etc.
8	Spectrum Analyzer	
9	Vector Scope	
10	Color Monitor TV	
11	VHS Alignment Tape (VFM8080HQFP)	
12	Extender Board (VFK0646)	

6-2. HOW TO USE OF THE EXTENDER BOARD;VFK0646

Please use the Extender Board(VFK0646) for adjusting or checking of following P.C.Boards.

NO.	P.C.BOARD
1	TBC (1) C.B.A. TBC (2) C.B.A.
2	TBC (3) C.B.A.
3	SERVO / SYSCON C.B.A.
4	INTERFACE C.B.A.



6-3. ADJUSTMENT PROCEDURES

6-3-1. SERVO SECTION

6-3-1-1. TRACKING FIX ADJ.

BOARD	SERVO & SYSTEM CONTROL C.B.A.
TP	TP2001, TP2301
ADJ.	VR2003
TAPE	VFM8080HQFP, PORTION : 2
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	T=0.4msec +/- 0.1msec

[SET UP]
SYNC SELECT SW : NORM
FRAMING : OFF
TBC SW : BYPASS
MODE SW : EDIT (AG-7750 only)

1. Set SW60001 to 6.5H position on the SERVO & SYSTEM CONTROL C.B.A.
2. Set the Tracking VR to the center fix position on the front panel.
3. Adjust VR2003 so that the "T" becomes 0.4msec +/- 0.1msec as shown in Figure E1.

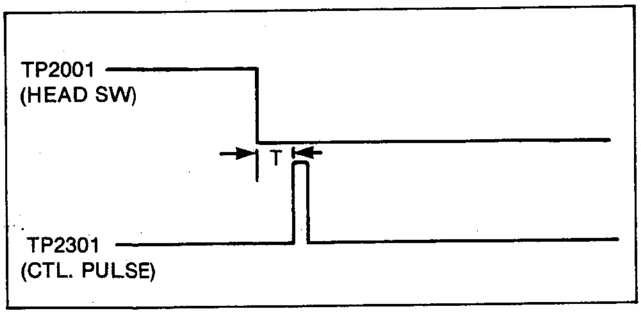


Figure E1

6-3-1-2. PG SHIFTER ADJ.

BOARD	SERVO & SYSTEM CONTROL C.B.A.
TP	TP2001, TP2007
ADJ.	VR2001
TAPE	VFM8080HQFP, PORTION : 2
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	T=6.5H +/- 0.25H

[NOTE]
This adjustment should be performed only after completion of the Tape Interchangeability Adjustment.

[SET UP]
SYNC SELECT SW : NORM
FRAMING SW : OFF
TBC SW : BYPASS
MODE SW : EDIT (AG-7750 only)

1. Adjust VR2001 so that the falling edge of switching pulse becomes 6.5H +/- 0.25H before the V-sync portion as shown in Figure E2.

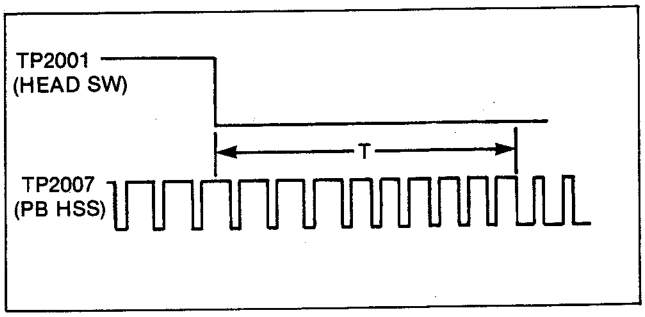


Figure E2

6-3-1-3. SS HEAD SWITCH ADJ.

BOARD	SERVO & SYSTEM CONTROL C.B.A.
TP	VIDEO OUT, TP2001(TRIG.)
ADJ.	VR2002
TAPE	VFM8080HQFP, PORTION : 2
INPUT SIGNAL	
MODE	SHUTTLE (X2 PLAY)
M.EQ	OSCILLOSCOPE
SPEC.	T=1.0H +/- 0.25H

[SET UP]
TBC SW : BYPASS
MODE SW : EDIT (AG-7750 only)

1. Adjust VR2002 so that the Artificial V-sync pulse becomes 1.0H +/- 0.25H before the V-sync portion as shown in Figure E3.

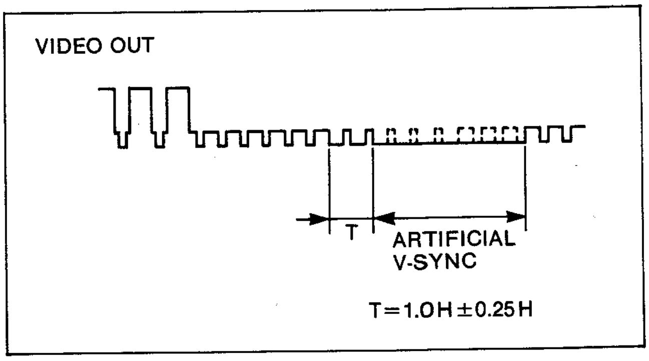


Figure E3

6-3-2. VIDEO REC SECTION (AG-7750 ONLY)

6-3-2-1. AGC LEVEL ADJ.

BOARD	VIDEO REC C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR30001
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	0.8Vp-p +/- 0.05V

[SET UP]
INPUT SW : LINE
AGC SW : ON
TBC SW : BYPASS

1. Connect a scope to TP30003 and Adjust VR30001 so that the level becomes 0.8Vp-p +/- 0.05V (terminated) as shown in Figure E4.

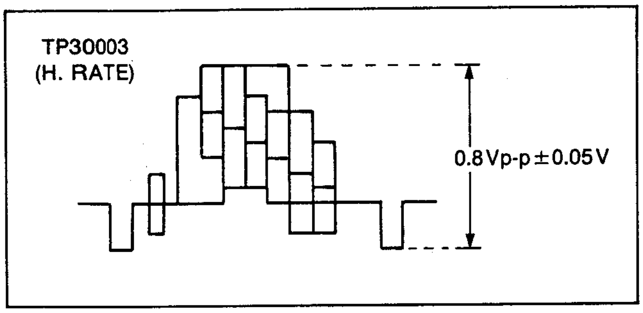


Figure E4

[NOTE]
After this adjustment is finished, adjust 6-3-2-2. AD Input Level Adj. and 6-3-2-3. Manual Level Adj.

6-3-2-2. AD INPUT LEVEL ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP30002
ADJ.	VR30004
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	1.5Vp-p +/- 0.05V

[SET UP]
INPUT SW : LINE
AGC SW : ON

1. Connect a scope to TP30002 and Adjust VR30004 so that the level becomes 1.5Vp-p +/- 0.05 as shown in Figure E5.

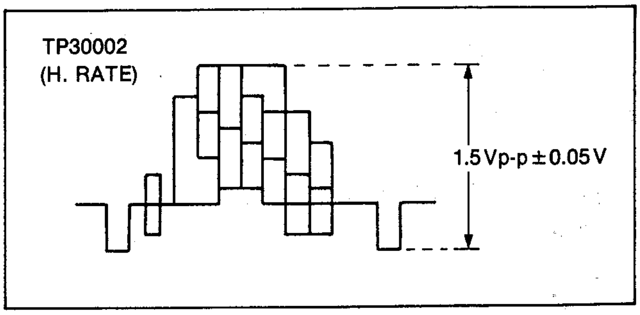


Figure E5

[NOTE]
If the level does not become 1.5Vp-p +/- 0.05V, turn VR30004 so that the level goes down. And adjust 6-3-2-1. AGC level Adj. and this Adj. again.

6-3-2-3. MANUAL LEVEL ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP30002
ADJ.	VR30002
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	1.5Vp-p +/- 0.05Vp-p

[SET UP]
INPUT SW : LINE
AGC SW : OFF
VIDEO LEVEL VR : CENTER CLICK POSITION

1. Connect a scope to TP30002 and Adjust VR30002 so that the level becomes 1.5Vp-p +/- 0.05V as shown in Figure E6.

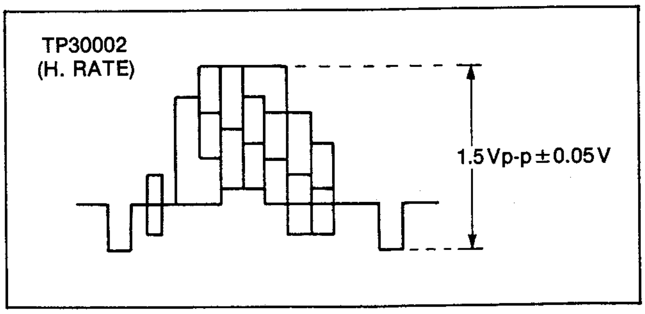


Figure E6

[NOTE]
If the level does not become 1.5Vp-p +/- 0.05V, turn VR30002 so that the level goes down And adjust 6-3-2-1. AGC level Adj. and this Adj. again.

6-3-2-4. VITC. LEVEL ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP30002
ADJ.	VR30003
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	REC
M.EQ	OSCILLOSCOPE
SPEC.	80 IRE +/- 5 IRE (0.857Vp-p +/- 0.04V)

[SET UP]

INPUT SW : LINE
AGC SW : ON
VITC SW : ON

1. Install the AG-F700 (Time Code Generator / Reader) to AG-7750.
2. Connect a scope to TP30002. Adjust VR30003 so that the level of VITC becomes 80 IRE +/- 5 IRE (0.857Vp-p +/- 0.04V) as shown in Figure E7.

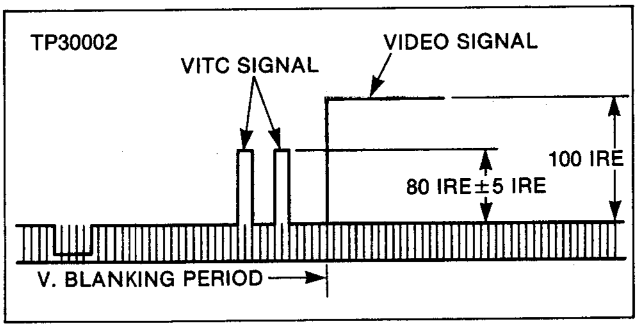

TP30002
VITC SIGNAL
VIDEO SIGNAL
100 IRE
80 IRE±5 IRE
V. BLANKING PERIOD

Figure E7

6-3-2-5. CLK PHASE ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP30103
ADJ.	VR30101
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	BURST LEVEL = MINIMUM

[SET UP]

INPUT SW : LINE

1. Adjust VR30101 so that the color burst level becomes minimum as shown in Figure E8.

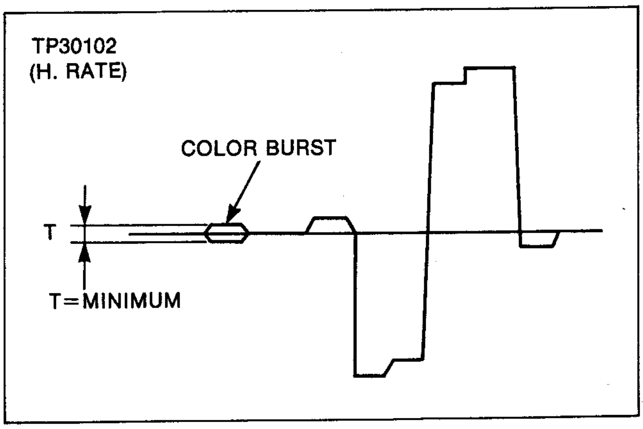

TP30102
(H. RATE)
COLOR BURST
T
T=MINIMUM

Figure E8

6-3-2-6. REC SUB EMPHASIS INPUT ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP33001
ADJ.	VR33001
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (S-VIDEO)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	400mVp-p +/- 8mV

[NOTE]

Input the Color Bar Signal to S-VIDEO(4P) IN.

[SET UP]

S-VHS SW : ON
INPUT SW : S-VIDEO
IMAGE SW : NORM
AGC SW : ON

1. Connect a scope to TP33001 and Adjust VR3300 so that the level becomes 400mVp-p +/- 8mV as shown in Figure E9.

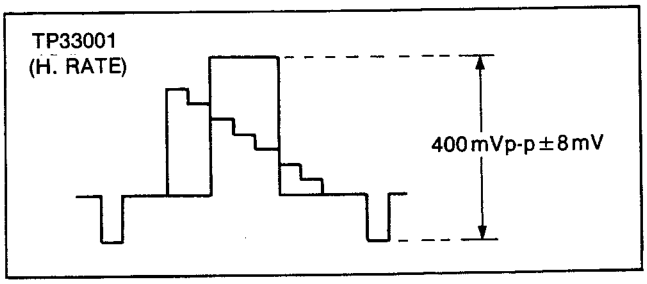

TP33001
(H. RATE)
400mVp-p±8mV

Figure E9

6-3-2-7. SEPARATED Y LEVEL ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP33001
ADJ.	VR30301
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	400mVp-p +/- 8mV

[NOTE]

This adjustment should be performed only after completion of 6-3-2-6. Rec Sub Emphasis Input Adj.

[SET UP]

INPUT SW : LINE
AGC SW : ON

1. Connect a scope to TP33001.
2. Adjust VR30301 so that the level becomes 400mVp-p +/- 8mV as shown in Figure E10.

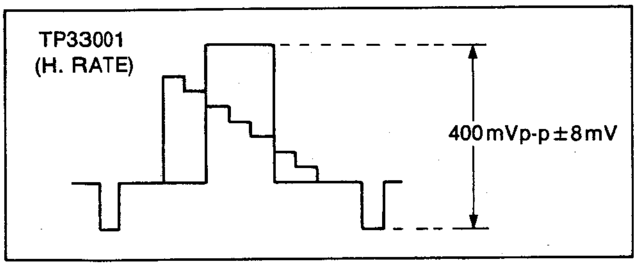


Figure E10

6-3-2-8. REC SUB EMPHASIS POWER VOLTAGE ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP33004
ADJ.	VR33004
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	V.T.V.M.
SPEC.	5.00V +/- 0.05V (DC)

[SET UP]

INPUT SW : LINE
S-VHS SW : ON
IMAGE SW: NORM

1. Connect a V.T.V.M. to TP33004.
2. Adjust VR33004 so that the DC voltage becomes 5.00V +/- 0.05V.

6-3-2-9. REC SUB EMPHASIS LIMITER ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP33002
ADJ.	VR33002
TAPE	
INPUT SIGNAL	NO SIGNAL
MODE	EJECT (E-E)
M.EQ	V.T.V.M.
SPEC.	3.48V +/- 0.05V (DC)

[NOTE]

This adjustment should be performed only after completion of 6-3-2-8. Rec Sub Emphasis Power Voltage Adj.

[SET UP]

IMAGE SW : NORM

1. Connect a V.T.V.M. to TP33002.
2. Adjust VR33002 so that the DC voltage becomes 3.48V +/- 0.05V.

6-3-2-10. S-VHS DEVIATION ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP35702
ADJ.	VR33007, VR33008, VR33003, VR33006
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE, FREQUENCY COUNTER
SPEC.	SYNC : 5.4MHz +/- 0.05MHz WHITE : 7.0MHz +/- 0.05MHz

[SET UP]

INPUT SW : LINE
S-VHS SW : ON
IMAGE SW : NORM
AGC SW : ON

1. Turn VR33007 fully counterclockwise and VR33008 fully clockwise from foil side.
2. Connect a scope to TP35702 with an 1:1 probe.
3. Supply a 5.4MHz sinewave signal at 0.5Vp-p to TP35001. Set the frequency precisely with a frequency counter.
4. Adjust VR33006 so that the beat on the sync tip portion of the signal becomes minimum as shown in Figure E11.
5. Next supply a 7.0 MHz sinewave signal at 0.5Vp-p to TP35001. Set the frequency precisely with a frequency counter.
6. Adjust VR33003 so that the beat on the white peak (100%) portion of the signal becomes minimum as shown in Figure E12.

[NOTE]

After this adjustment is finished, adjust 6-3-2-13. S-VHS White & Dark Clip Adj.

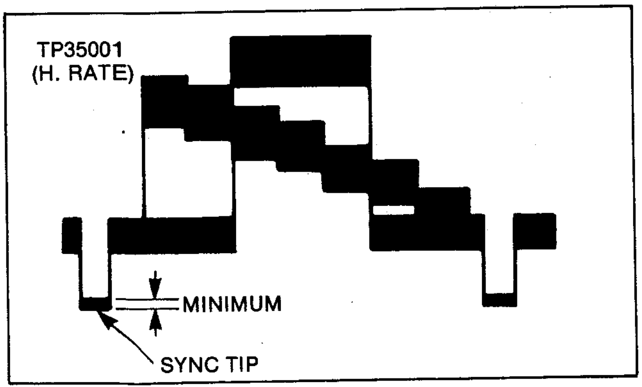


Figure E11

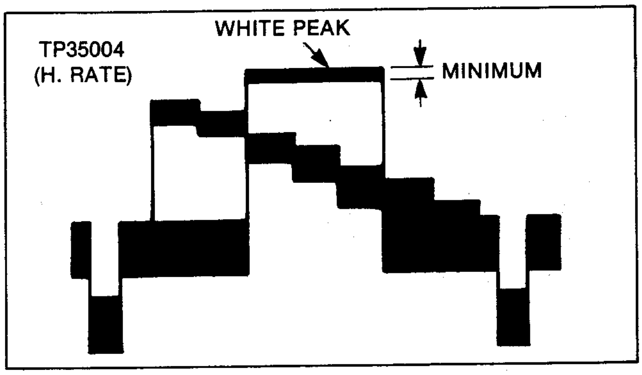


Figure E12

6-3-2-11. VHS DEVIATION (COLOR) ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP35004, TP35706
ADJ.	VR33014, VR33015, VR33013, VR33010
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE, FREQUENCY COUNTER
SPEC.	SYNC : 3.4MHz +/- 0.05MHz WHITE : 4.4MHz +/- 0.05MHz

[SET UP]

INPUT SW : LINE
S-VHS SW : OFF
IMAGE SW : NORM
AGC SW : ON

1. Turn VR33014 fully clockwise and VR33015 fully counterclockwise from foil side.
2. Connect a frequency counter to TP35004.
3. Disconnet a Color bar signal from the VIDEO IN (LINE) jack.
4. Adjust VR33013 so that the counter reads 3.4MHz +/- 0.05MHz.
5. Connect a scope to TP35706 with an 1:1 probe.
6. Supply a color bar signal to the VIDEO IN (LINE) jack.
7. Supply a 4.4MHz sinewave signal at 0.5Vp-p to TP35004. Set the frequency precisely with a frequency counter.
8. Adjust VR33010 so that the beat on the white peak (100%) portion of the signal becomes minimum as shown in Figure E12.

[NOTE]

After this adjustment is finished, adjust 6-3-2-14. VHS white & Dark Clip Adj.

6-3-2-12. VHS DEVIATION (B/W) ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP35706
ADJ.	VR33014, VR33015, VR33011
TAPE	
INPUT SIGNAL	COLOR BAR (NO BURST) SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	4.4MHz +/- 0.05MHz

[SET UP]

INPUT SW : LINE
S-VHS SW : OFF
IMAGE SW : NORM
AGC SW : ON

1. Turn VR33014 fully clockwise and VR33015 fully counterclockwise from foil side.
2. Connect a scope to TP35706 with an 1:1 probe.
3. Supply a 4.4MHz sinewave signal at 0.5Vp-p to TP35004.
4. Adjust VR33011 so that the beat on the white peak (100%) portion of the signal becomes minimum as shown in Figure E11.

[NOTE]

After this adjustment is finished, adjust 6-3-2-14. VHS White & Dark Clip Adj.

6-3-2-13. S-VHS WHITE & DARK CLIP ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP33003
ADJ.	VR33007, VR33008
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	WC : 215% +/- 5%, DC : 70% +/- 5%

[NOTE]

This adjustment should be performed only after completion of 6-3-2-10. S-VHS Deviation Adj.

[SET UP]

S-VHS SW : ON
INPUT SW : LINE
AGC SW : ON

1. Connect a scope to TP33003.
2. Adjust VR33008 so that the dark clip level becomes 70% +/- 5% and adjust VR33007 so that the white clip level becomes 215% +/- 5% as shown in Figure E13.

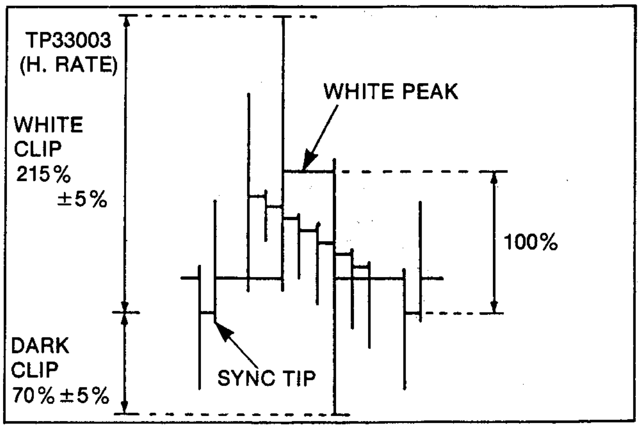


Figure E13

6-3-2-14. VHS WHITE & DARK CLIP ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP33005
ADJ.	VR33014, VR33015
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	WC : 190% +/- 5%, DC : 60% +/- 5%

[NOTE]

This adjustment should be performed only after completion of 6-3-2-11,12. VHS Deviation(color, B/W) Adj.

[SET UP]

S-VHS SW : OFF
INPUT SW : LINE
IMAGE SW : NORM
AGC SW : ON

1. Connect a scope to TP33005.
2. Adjust VR33014 so that the dark clip level becomes 60% +/- 5%, and adjust VR33015 so that the white clip level becomes 190% +/- 5% as shown in Figure E14.

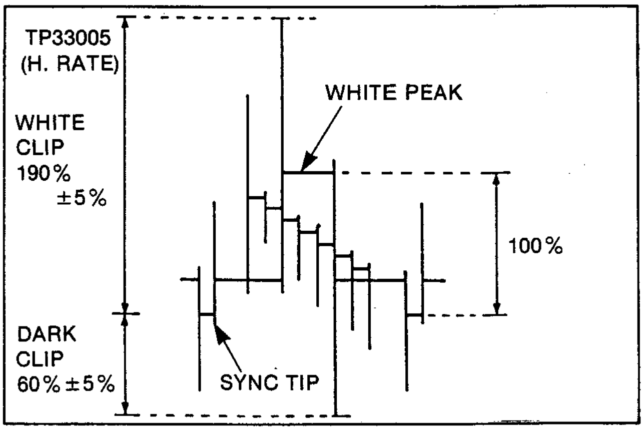


Figure E14

6-3-2-15. VIDEO LEVEL METER ADJ.

BOARD	VIDEO REC C.B.A.
TP	VIDEO LEVEL METER
ADJ.	VR33012
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	
SPEC.	REFER TO FIG. E5

[NOTE]
This adjustment should be performed only after completion of 6-3-2-1. AGC Level Adj.

[SET UP]
INPUT SW : LINE
AGC SW : ON

1. Adjust VR33012 so that the needle of VIDEO LEVEL METER becomes at point "A" as shown in Figure E15.

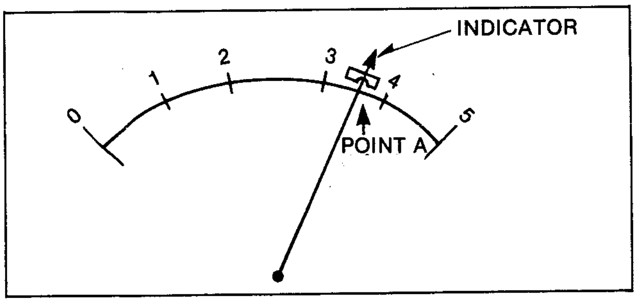


Figure E15

6-3-2-16. REC VCO ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP38007
ADJ.	VR38001
TAPE	
INPUT SIGNAL	NO SIGNAL
MODE	EJECT (E-E)
M.EQ	FREQUENCY COUNTER
SPEC.	629.4KHz +/- 5KHz

1. Connect a jumper wire between TP38006 and GND.
2. Connect the frequency counter to TP38007.
3. Adjust VR38001 so that the counter reads 629.4KHz +/- 5KHz.

6-3-2-17. CHROMA S-VHS REC CURRENT ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP5002, TP5003, TP5001(GND)
ADJ.	VR38005, VR38006
TAPE	S-VHS BLANK
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	REC
M.EQ	OSCILLOSCOPE
SPEC.	36mVp-p +/- 2mV

[NOTE]
This adjustment should be performed only before completion of 6-3-2-19. Chroma VHS Rec Current Adj.

[SET UP]
INPUT SW : LINE
S-VHS SW : ON
AGC SW : ON

1. Turn VR35201 and VR35202 fully clockwise from foil side.
2. Connect a scope to TP5002 with an 1:1 probe on the VIDEO HEAD AMP C.B.A. and adjust VR38005 so that the cyan level becomes 36mVp-p +/- 2mV as shown in Figure E16.
3. Connect a scope to TP5003 with an 1:1 probe on the VIDEO HEAD AMP C.B.A. and adjust VR38006 so that the cyan level becomes 36mVp-p +/- 2mV as shown in Figure E16.

[NOTE]
After this adjustment is finished, adjust 6-3-2-21. S-VHS Y Rec Current Adj.

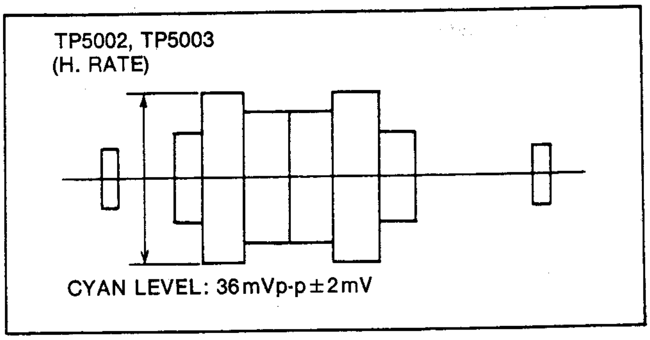


Figure E16

6-3-2-18. REC Y/C DELAY ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP38002, TP33001
ADJ.	VR38010
TAPE	
INPUT SIGNAL	SIN^2 PULSE & BAR (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	A : B = 0.1 : 5

[NOTE]

This adjustment should be performed only after completion of 6-3-2-17. Chroma S-VHS Rec Current Adj.

[SET UP]

INPUT SW : LINE
S-VHS SW : ON
AGC SW : ON

1. Connect a scope CH1 to TP33001 and CH2 to TP38002.
2. Set the oscilloscope to ADD mode and expand the "A" portion as shown in Figure E17.

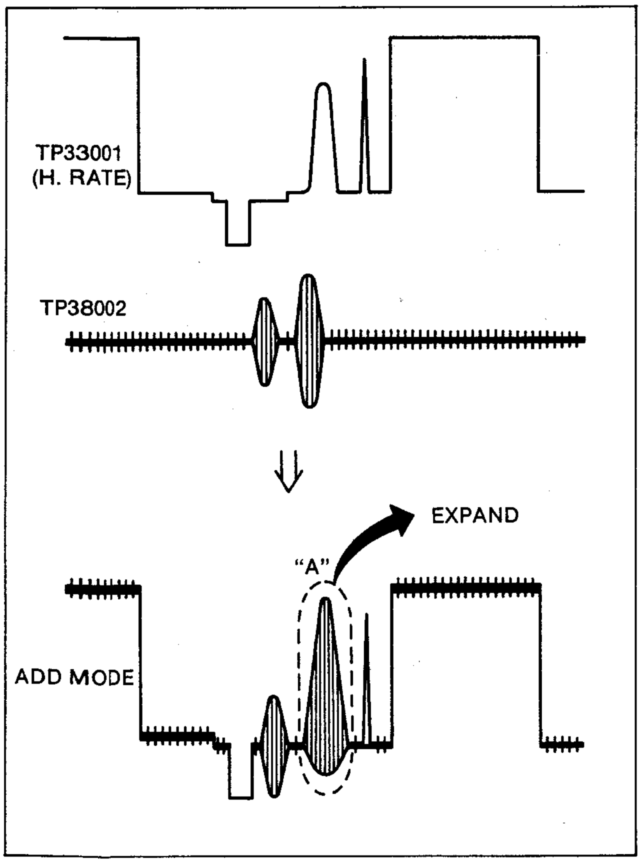


Figure E17

3. Turn VR38010 and vary the vertical scope setting until the level reaches 5 divisions as shown in Figure E18.
4. Adjust VR38010 so that the bottom of waveform becomes as shown in Figure E19.

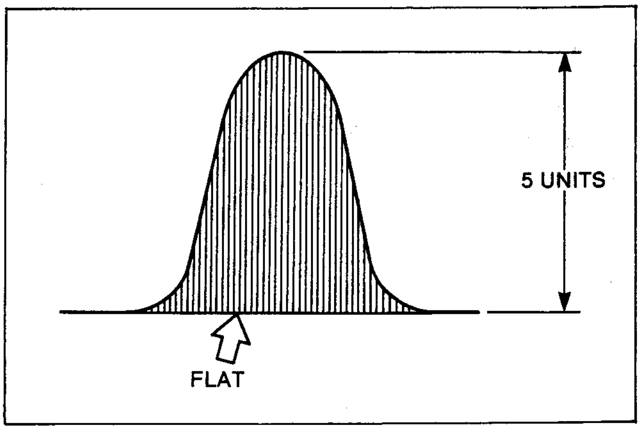


Figure E18

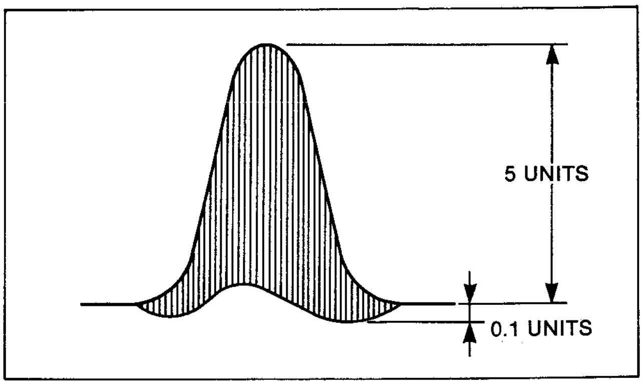


Figure E19

[NOTE]

After this adjustment is finished, adjust 6-3-2-21. S-VHS Y Rec Current Adj.

6-3-2-19. CHROMA VHS REC CURRENT ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP5002, TP5001(GND)
ADJ.	VR38002
TAPE	VHS BLANK
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	REC
M.EQ	OSCILLOSCOPE
SPEC.	36mVp-p +/- 2mV

[NOTE]

This adjustment should be performed only after completion of 6-3-2-17. Chroma S-VHS Rec Current Adj.

[SET UP]

INPUT SW : LINE
S-VHS SW : OFF
AGC SW : ON

1. Turn VR35003 fully clockwise from foil side.
2. Connect a scope to TP5002 with an 1:1 probe on the VIDEO HEAD AMP C.B.A. and adjust VR38002 so that the cyan level becomes 36mVp-p +/- 2mV as shown in Figure E20.

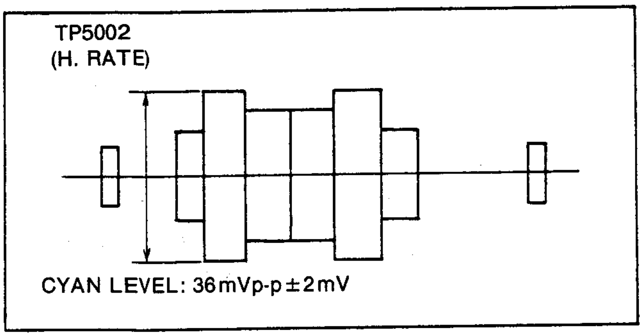


Figure E20

[NOTE]

After this adjustment is finished, adjust 6-3-2-22. VHS Y Rec Current Adj.

6-3-2-20. DUB CHROMA REC CURRENT ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP5002, TP5001(GND)
ADJ.	VR38004
TAPE	S-VHS BLANK
INPUT SIGNAL	COLOR BAR SIGNAL (DUB)
MODE	REC
M.EQ	OSCILLOSCOPE
SPEC.	36mVp-p +/- 2mV

[NOTE]

1. *This adjustment should be performed only after completion of 6-3-2-17. Chroma S-VHS Rec Current Adj.*
2. *Supply the Color Bar Signal (DUB) from second AG-7750 or AG-7500 (well adjusted) to the AG-7750 by E-E mode as shon below.*

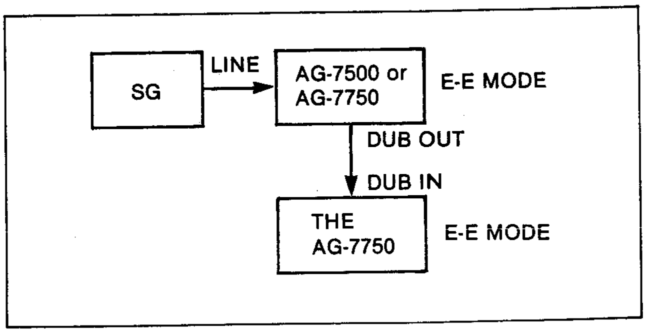


Figure A

[SET UP]

S-VHS SW : ON
INPUT SW : DUB
IMAGE SW : CAC OFF
AGC SW : ON

1. Turn VR35201 and VR35202 fully clockwise from foil side.
2. Connect a scope to TP5002 on the VIDEO HEAD AMP C.B.A. and adjust VR38004 so that the cyan level becomes 36mVp-p +/- 2mV as shown in Figure E21.

[NOTE]

After this adjustment is finished, adjust 6-3-2-21. S-VHS Y Rec Current Adj.

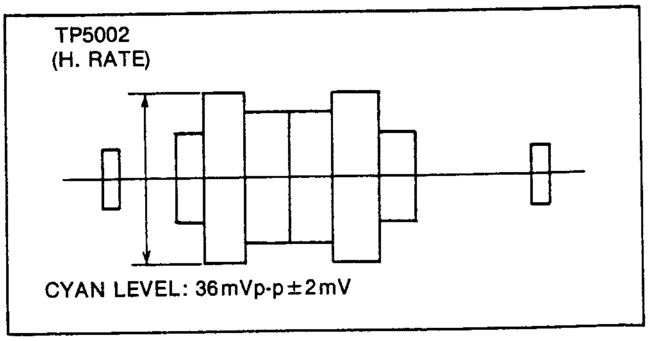


Figure E21

6-3-2-21. S-VHS Y REC CURRENT ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP5002, TP5003, TP5001(GND)
ADJ.	VR35202, VR35201
TAPE	S-VHS BLANK
INPUT SIGNAL	COLOR BAR SIGNAL
MODE	REC
M.EQ	OSCILLOSCOPE
SPEC.	145mVp-p +/- 5mV

[NOTE]

This adjustment should be performed only after completion of 6-3-2-17. Chroma S-VHS Rec Current Adj.

[SET UP]

S-VHS SW : ON
INPUT SW : LINE
IMAGE SW : NORM

1. Connect a scope to TP5002 on the VIDEO HEAD AMP C.B.A. and Adjust VR35202 so that the sync tip level becomes 145mVp-p +/- 5mV as shown in Figure E22.
2. Connect a scope to TP5003 on the VIDEO HEAD AMP C.B.A. and adjust VR35201 so that the sync tip level becomes 145mVp-p +/- 5mV as shown in Figure E22.

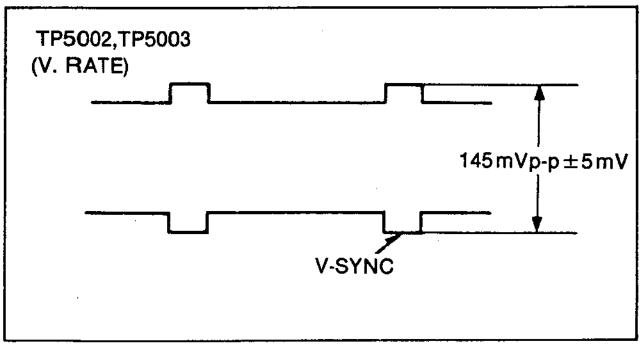


Figure E22

6-3-2-22. VHS Y REC CURRENT ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP5002, TP5001(GND)
ADJ.	VR35003
TAPE	VHS BLANK
INPUT SIGNAL	COLOR BAR SIGNAL
MODE	REC
M.EQ	OSCILLOSCOPE
SPEC.	150mVp-p +/- 5mV

[NOTE]

This adjustment should be performed only after completion of 6-3-2-19. Chroma VHS Rec Current Adj. and 6-3-2-21. S-VHS Y Rec Current Adj.

[SET UP]

S-VHS SW : OFF
INPUT SW : LINE
IMAGE SW : NORM

1. Connect a scope to TP5002 on the VIDEO HEAD AMP C.B.A. and adjust VR35003 so that the sync tip level becomes 150mVp-p +/- 5mV as shown in Figure E23.

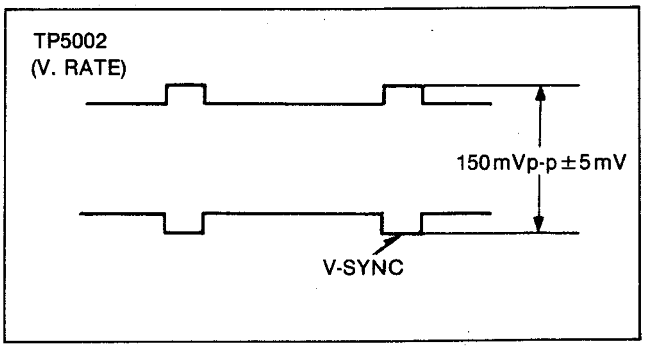


Figure E23

6-3-2-23. E-E DUB C OUT LEVEL ADJ.

BOARD	VIDEO REC C.B.A.
TP	TP38507(VIDEO PB C.B.A.)
ADJ.	VR38007
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL(DUB)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	900mVp-p +/- 10mV

[NOTE]

Supply the Color Bar Signal(DUB) from second AG-7750 or AG-7500(well adjusted) to the AG-7750 by E-E mode as shown in item 6-3-2-20.

[SET UP]

S-VHS SW : ON
INPUT SW : DUB

1. Connect a scope to TP38507 on the VIDEO PB C.B.A. and adjust VR38007 so that the cyan level becomes 900mVp-p +/- 10mV as shown in Figure E24.

6-3-3. VIDEO P.B. SECTION

6-3-3-1. S-VHS LIMITER & DEMODULATOR BALANCE ADJ.

[NOTE]

This adjustment should be performed only after completion of 6-3-2. VIDEO REC SECTION.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP35702
ADJ.	VR35701, VR35702
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	CARRIER LEAK = MINIMUM

[SET UP]

S-VHS SW : ON
INPUT SW : LINE
IMAGE SW : NORM

1. Connect a scope to TP35702 and adjust VR35701 and VR35702 so that the carrier leak level on the sync tip becomes minimum as shown in Figure E25.

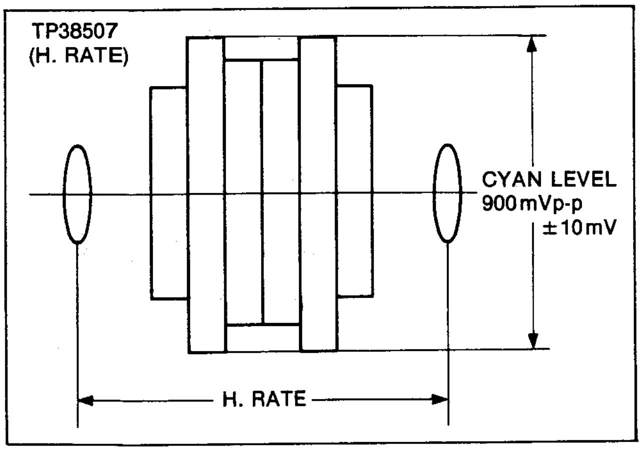


Figure E24

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP35702
ADJ.	VR35701, VR35702
TAPE	COLOR BAR RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	CARRIER LEAK = MINIMUM

[SET UP]

IMAGE SW : NORM

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to TP35702 and adjust VR35701 and VR35702 so that the carrier leak level on the sync tip becomes minimum as shown in Figure E25.

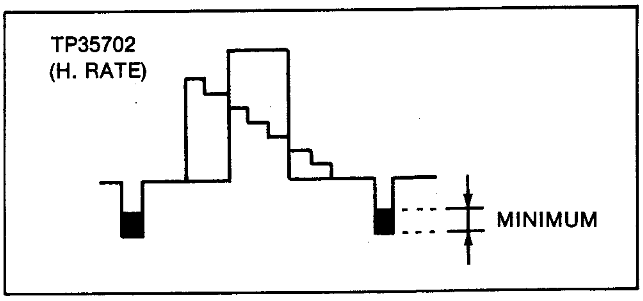


Figure E25

6-3-3-2. PB SUB EMPHASIS INPUT LEVEL ADJ.

[NOTE]

This adjustment should be performed only after completion of 6-3-2-10. S-VHS Deviation Adj.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP33501
ADJ.	VR33502
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	400mVp-p +/- 8mV

[SET UP]

S-VHS SW : ON
INPUT SW : LINE
IMAGE SW : NORM
AGC SW : ON

1. Connect a scope to TP33501.
2. Adjust VR33502 so that the level becomes 400mVp-p +/-8mV as shown in Figure E26.

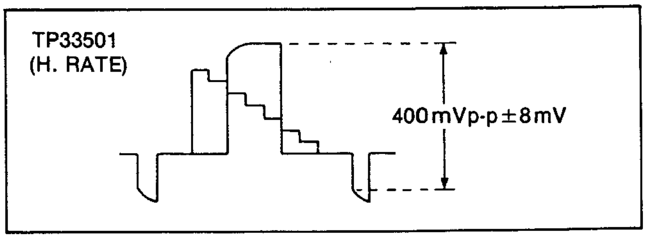


Figure E26

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP33501
ADJ.	VR33502
TAPE	COLOR BAR RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	400mVp-p +/- 8mV

[SET UP]
IMAGE SW : NORM

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to TP33501 and adjust VR33502 so that the level becomes 400mVp-p +/- 8mV as shown in Figure E26.

6-3-3-3. PB SUB EMPHASIS POWER ADJ.

BOARD	VIDEO PB C.B.A.
TP	TP33503
ADJ.	VR33504
TAPE	
INPUT SIGNAL	AG-7750 : COLOR BAR SIGNAL(LINE) AG-7650 : NO SIGNAL
MODE	EJECT (E-E)
M.EQ	V.T.V.M.
SPEC.	5.00V +/- 0.05V (DC)

[SET UP]
S-VHS SW : ON (AG-7750 only)
INPUT SW : LINE (AG-7750 only)
IMAGE SW : NORM

1. Connect a V.T.V.M. to TP33503.
2. Adjust VR33504 so that the DC voltage becomes 5.00V +/- 0.05V.

6-3-3-4. PB SUB EMPHASIS LIMITER ADJ.

BOARD	VIDEO PB C.B.A.
TP	TP33502
ADJ.	VR33503
TAPE	
INPUT SIGNAL	NO SIGNAL
MODE	EJECT (E-E)
M.EQ	V.T.V.M.
SPEC.	3.48V +/- 0.05V (DC)

[NOTE]
This adjustment should be performed only after completion of 6-3-3-3. PB Sub Emphasis Power Adj.

[SET UP]
S-VHS SW : ON (AG-7750 only)
INPUT SW : LINE (AG-7750 only)
IMAGE SW : NORM

1. Connect a scope to TP33502.
2. Adjust VR33503 so that the DC voltage becomes 3.48V +/- 0.05V.

6-3-3-5. S-VHS PB Y LEVEL ADJ.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP33506
ADJ.	VR33505
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	1.0Vp-p +/- 0.03V

[SET UP]
S-VHS SW : ON
INPUT SW : LINE
IMAGE SW : NORM
AGC SW : ON

1. Connect a scope to TP33506.
2. Adjust VR33505 so that the level becomes 1.0Vp-p +/- 0.3V as shown in Figure E27.

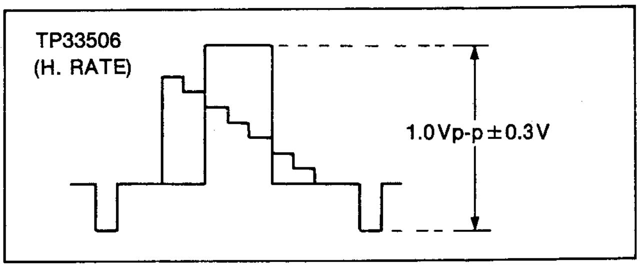


Figure E27

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP33506
ADJ.	VR33505
TAPE	COLOR BAR SIGNAL RECORDED TAPE(S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	1.0Vp-p +/- 0.03Vp-p

[SET UP]
IMAGE SW : NORM

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to TP33506 and adjust VR33505 so that the level becomes 1.0Vp-p +/- 0.3V as shown in Figure E27.

6-3-3-6. VHS PB Y (COLOR) LEVEL ADJ.

[NOTE]
This adjustment should be performed only after completion of 6-3-3-5. S-VHS PB Y Level Adj.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP33506
ADJ.	VR33509
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	S-VHS LEVEL +/- 20mV and 1.0Vp-p +/- 0.03V

[SET UP]
INPUT SW : LINE
IMAGE SW : NORM
AGC SW : ON

1. Read the P-P level of the signal at TP33506 when the S-VHS SW is turned on.
2. Turn the S-VHS SW to OFF, and adjust VR33509 so that the VHS level becomes S-VHS level +/- 20mV and 1.0Vp-p +/- 0.03V as shown in Figure E28.

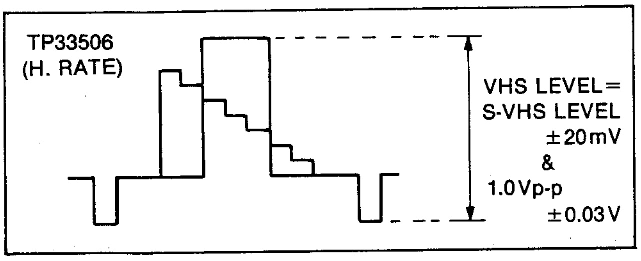


Figure E28

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP33506
ADJ.	VR33509
TAPE	COLOR BAR SIGNAL RECORDED TAPE (SVHS& VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	S-VHS LEVEL +/- 20mV and 1.0 Vp-p +/- 0.03V

[SET UP]
IMAGE SW : NORM

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Read the P-P level of the signal at TP33506.
3. Play back the color bar signal other recorded tape by VHS mode.
4. Adjust VR33509 so that the VHS level becomes S-VHS level +/- 20mV and 1.0Vp-p +/- 0.03V as shown in Figure E28.

6-3-3-7. VHS PB Y (B/W) LEVEL ADJ.

[NOTE]
This adjustment should be performed only after completion of 6-3-3-5. S-VHS PB Y Level Adj.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP33506
ADJ.	VR33507
TAPE	
INPUT SIGNAL	COLOR BAR (NO BURST) SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	S-VHS LEVEL +/- 20mV and 1.0Vp-p +/- 0.03V

[SET UP]
INPUT SW : LINE
IMAGE SW : NORM
AGC SW : ON

1. Read the P-P level of the signal at TP33506 when the S-VHS SW to ON.
2. Turn the S-VHS SW to OFF, and adjust VR33507 so that the VHS level becomes S-VHS level +/- 20mV and 1.0Vp-p +/- 0.03V as shown in Figure E29.

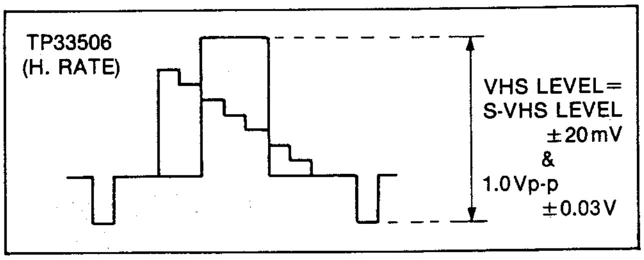


Figure E29

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP33506
ADJ.	VR33507
TAPE	COLOR BAR RECORDED TAPE (S-VHS & VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	S-VHS LEVEL +/- 20mV and 1.0Vp-p +/- 0.03V

[SET UP]
IMAGE SW : NORM

1. Connect a jumper wire between TP38503 and GND.
2. Play back the color bar signal other recorded tape by S-VHS mode.
3. Read the P-P level of the signal at TP33506.
4. Play back the color bar signal other recorded tape by VHS mode.
5. Adjust VR33057 so that the VHS level becomes S-VHS level +/- 20mV and 1.0Vp-p +/- 0.03V as shown in Figure E29.

6-3-3-8. Y/C FILTER ADJ. (1)

[NOTE]

SC of the color bar signal and multi burst signal are synchronized.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP33706
ADJ.	VR33703, VR33707
TAPE	
INPUT SIGNAL	COLOR BAR (LINE) & MULTI BURST (TP33702)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	3.58MHz = MINIMUM (<15mVp-p)

[SET UP]

S-VHS SW : ON
INPUT SW : LINE

1. Supply a 100% multi burst signal(75 ohm terminated) to TP33702.
2. Connect TP33705 and TP33707 to GND.
3. Connect a scope to TP33706.
4. Adjust VR33703 and VR33707 so that the 3.58MHz level becomes minimum as shown in Figure E30.

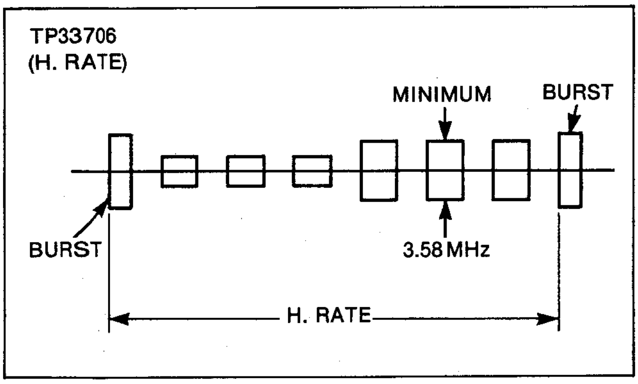


Figure E30

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP33706
ADJ.	VR33703, VR33707
TAPE	VHS CASSETTE
INPUT SIGNAL	100% MULTI BURST (75 ohm : TP33702)
MODE	STOP (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	3.58MHz = MINIMUM (<15mVp-p)

[SET UP]

Y/C FILTER : ON (MENU NO.1010)

1. Insert a VHS Cassette.
2. Supply a 100% multi burst signal(75 ohm terminated) to TP33702.
3. Connect TP33705 and TP33707 to GND.
4. Connect a scope to TP33706.
5. Adjust VR33703 and VR33707 so that the 3.58MHz level becomes minimum as shown in Figure E30.

6-3-3-9. Y/C FILTER ADJ. (2)

[NOTE]

SC of the color bar signal and multi burst signal are synchronized.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP33703
ADJ.	VR33704, VR33709
TAPE	
INPUT SIGNAL	COLOR BAR (LINE) & MULTI BURST (TP33702)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	3.58MHz = MINIMUM (<40mVp-p)

[SET UP]

S-VHS SW : ON
INPUT SW : LINE
IMAGE SW : NORM
Y/C FILTER : ON (MENU NO.1010)

1. Supply a 100% multi burst signal (75 ohm terminated) to TP33702.
2. Connect a TP33707 to GND.
3. Connect a scope to TP33703.
4. Adjust VR33704 and VR33709 so that the 3.58MHz level becomes minimum as shown in Figure E31.

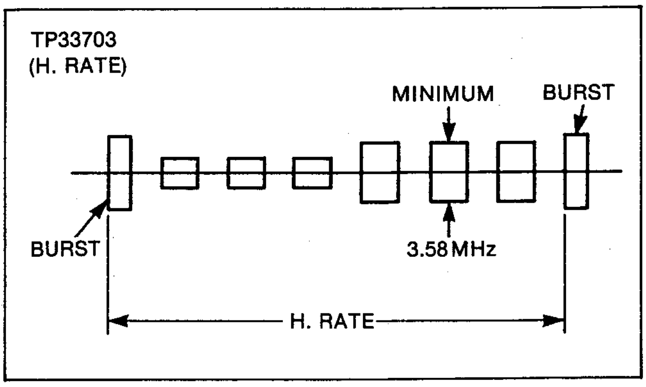


Figure E31

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP33703
ADJ.	VR33704, VR33709
TAPE	VHS CASSETTE
INPUT SIGNAL	100% MULTI BURST SIGNAL (TP33702)
MODE	EJECT
M.EQ	OSCILLOSCOPE
SPEC.	3.58MHz = MINIMUM (<40mVp-p)

[SET UP]

IMAGE SW : NORM
Y/C FILTER : ON (MENU NO.1010)

1. Insert a VHS Cassette.
2. Supply a 100% multi burst signal (75 ohm terminated) to TP33702.
3. Connect a scope to TP33703.
4. Adjust VR33704 and VR33709 so that the 3.58MHz level becomes minimum as shown in Figure E31.

6-3-3-10. Y/C FILTER ADJ. (3)

[NOTE]

SC of both the color bar signals are synchronized.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP33701
ADJ.	VR33702, VR33705
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE & TP33702)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	CYAN LEVEL = MINIMUM (<50mVp-p)

[SET UP]

S-VHS SW : ON
INPUT SW : LINE
IMAGE SW : NORM
Y/C FILTER : ON (MENU NO.1010)

1. Supply a color bar signal (75 ohm terminated) to TP33702.
2. Connect a TP33707 to GND.
3. Connect a scope to TP33701.
4. Adjust VR33702 and VR33705 so that the 3.58MHz level becomes minimum as shown in Figure E32.

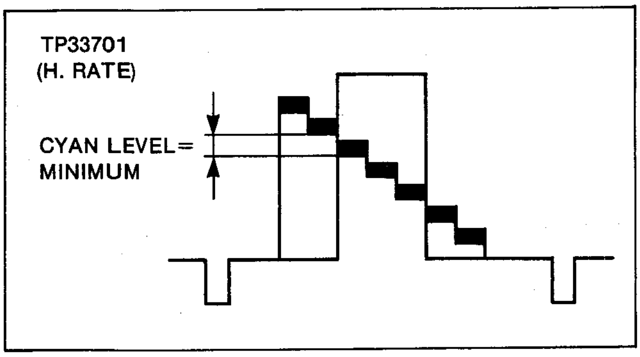


Figure E32

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP33701
ADJ.	VR33702, VR33705
TAPE	VHS CASSETTE
INPUT SIGNAL	COLOR BAR SIGNAL (75 ohm:TP33702)
MODE	STOP
M.EQ	OSCILLOSCOPE
SPEC.	CYAN LEVEL = MINIMUM (<50mVp-p)

[SET UP]

IMAGE SW : NORM
Y/C FILTER : ON (MENU NO.1010)

1. Insert a VHS Cassette.
2. Supply a color bar signal (75 ohm terminated) to TP33702.
3. Connect TP33707 to GND.
4. Connect a scope to TP33701.
5. Adjust VR33702 and VR33705 so that the cyanlevel becomes minimum as shown in Figure E32.

6-3-3-11. DROP OUT LEVEL ADJ.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP33504, TP33505
ADJ.	VR33701
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	CH1 (TP33504) = CH2 (TP33505)

[SET UP]

S-VHS SW : ON
INPUT SW : LINE
IMAGE SW : NORM
AGC SW : ON

1. Connect a CH1 of scope to TP33504.
2. Connect a CH2 of scope to TP33505.
3. Set the vertical scope setting of both the channels (CH1 and CH2) to the same range.
4. Set the CH2 of the scope to INV mode.
5. Set the scope to ADD (CH1 + CH2) mode.
6. Adjust VR33701 so that the waveform is canceled as shown in Figure E33.

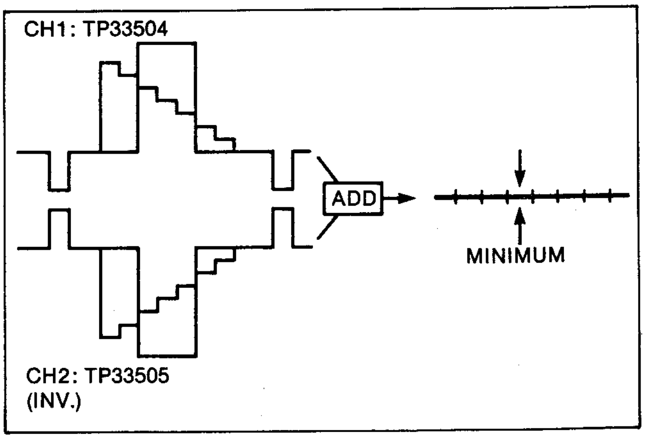


Figure E33

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP33504, TP33505
ADJ.	VR33701
TAPE	COLOR BAR SIGNAL RECORDED TAPE(S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	CH1 (TP33504) = CH2 (TP33505)

[SET UP]

IMAGE SW : NORM

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a CH1 of scope to TP33504.
3. Connect a CH2 of scope to TP33505.
4. Set the vertical scope setting of both the channels (CH1 and CH2) to same range.
5. Set the CH2 of the scope to INV mode.
6. Set the scope to ADD (CH1 + CH2) mode.
7. Adjust VR33701 so that the waveform is canceled as shown in Figure E33.

6-3-3-12. NOISE CANCEL INPUT LEVEL ADJ. (1)

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP33803
ADJ.	VR33803
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	300mVp-p +/- 10mV

[SET UP]
S-VHS SW : ON
INPUT SW : LINE
IMAGE SW : NORM
AGC SW : ON

1. Connect a scope to TP33803 and adjust VR33803 so that the level becomes 300mVp-p +/- 10mV as shown in Figure E34.

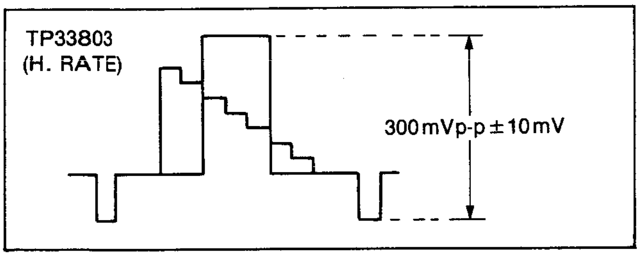


Figure E34

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP33803
ADJ.	VR33803
TAPE	COLOR BAR SIGNAL RECORDED TAPE(S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	300mVp-p +/- 10mV

[SET UP]
IMAGE SW : NORM

1. Play back the color bar signal other redorded tape by S-VHS mode.
2. Connect a scope to TP33803 and adjust VR33803 so that the level becomes 300mVp-p +/- 10mV as shown in Figure E34.

6-3-3-13. NOISE CANCEL INPUT LEVEL ADJ. (2)

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP33803
ADJ.	VR33802
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	NORM LEVEL +/- 10mV & 300mVp-p +/- 15mV

[SET UP]
S-VHS SW : ON
INPUT SW : LINE
AGC SW : ON

1. Read the P-P level of the signal at TP33803 when the IMAGE SW to "NORM" position.
2. Turn the IMAGE SW to "CAC OFF" position and adjust VR33802 so that the level becomes NORM level +/- 10mV and 300mVp-p +/- 15mV as shown in Figure E35.

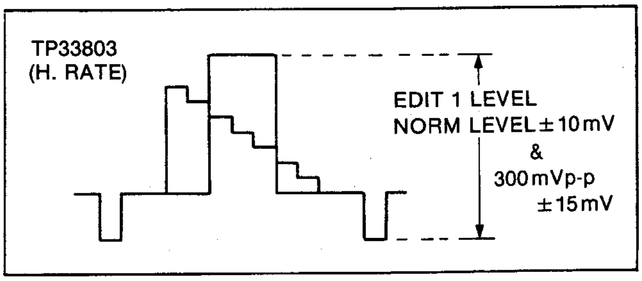


Figure E35

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP33803
ADJ.	VR33802
TAPE	COLOR BAR SIGNAL RECORDED TAPE (SVHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	NORM LEVEL +/- 10mV & 300mVp-p +/- 15mV

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Read the P-P level of the signal at TP33803 when the IMAGE SW to "NORM" position.
3. Turn the IMAGE SW to "CAC OFF" position, and adjust VR33802 so that the level becomes NORM level +/- 10mV and 300mVp-p +/- 15mV as shown in Figure E35.

6-3-3-14. NOISE CANCEL ADJ.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP33802
ADJ.	VR33807
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	80mVp-p +/- 5mV

[SET UP]

S-VHS SW : OFF
INPUT SW : LINE
IMAGE SW : NORM
AGC SW : ON

1. Connect a scope to TP33802.
2. Adjust VR33807 so that the level becomes 80mVp-p +/- 5mV as shown in Figure E36.

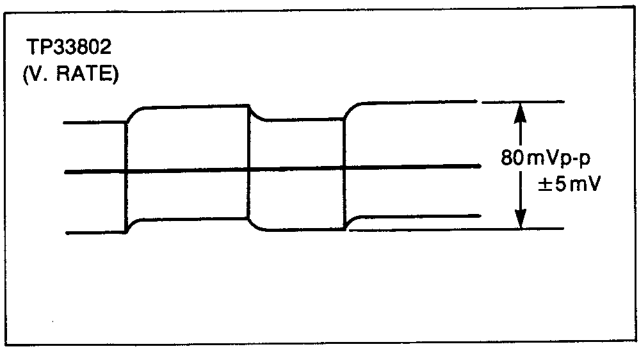


Figure E36

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP33802
ADJ.	VR33807
TAPE	COLOR BAR SIGNAL RECORDED TAEP (VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	80mVp-p +/- 5mV

[SET UP]

IMAGE SW : NORM

1. Play back the color bar signal other recorded tape by VHS mode.
2. Connect a scope to TP33802.
3. Adjust VR33807 so that the level becomes 80mVp-p +/- 5mV as shown in Figure E36.

6-3-3-15. LINEARITY ADJ.

[NOTE]

VIDEO OUT should be 75 ohm terminated.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR33805
TAPE	
INPUT SIGNAL	5 STEP VIDEO SIGNAL (LINE)
MODE	STOP (E-E)
M.EQ	WAVEFORM MONITOR
SPEC.	WITHIN 10%

[SET UP]

INPUT SW : LINE
IMAGE SW : NORM
S-VHS SW : ON
TBC SW : BYPASS

1. Connect the waveform monitor to VIDEO OUT.
2. Set the response of waveform monitor to DIFF'D STEP mode.
3. Adjust VR33805 so that the levels of 5 pulses are the same as shown in Figure E37.

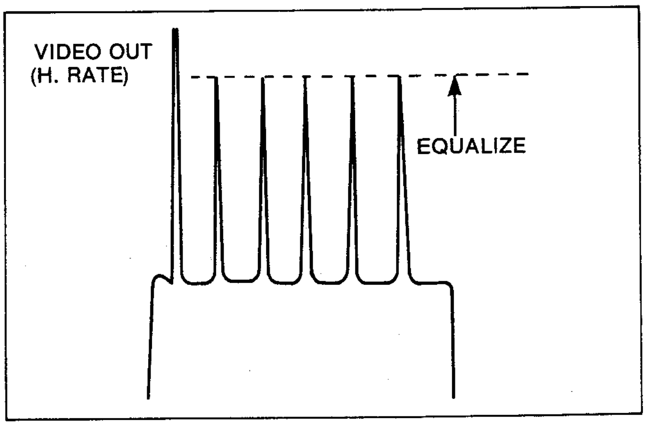


Figure E37

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	VIDEO OUT
ADJ.	VR33805
TAPE	5 STEP VIDEO SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	WAVEFORM MONITOR
SPEC.	WITHIN 10%

[SET UP]

IMAGE SW : MORN
TBC SW : BYPASS

1. Play back the 5 step video signal other recorded tape by S-VHS mode.
2. Connect the waveform monitor to VIDEO OUT.
3. Set the response of waveform monitor to DIFF'D STEP mode.
4. Adjust VR33805 so that the levels of 5 pulses are the same as shown in Figure E37.

6-3-3-16. LINE OUT LEVEL ADJ.

[NOTE]
VIDEO OUT should be 75 ohm terminated.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR33812
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE OR W.F.M.
SPEC.	1.0Vp-p +/- 0.02V

[SET UP]
S-VHS SW : ON
INPUT SW : LINE
IMAGE SW : NORM
AGC SW : ON
TBC SW : BYPASS

1. Connect a scope (W.F.M) to VIDEO OUT.
2. Adjust VR33812 so that the level becomes 1.0Vp-p +/- 0.02V as shown in Figure E38.

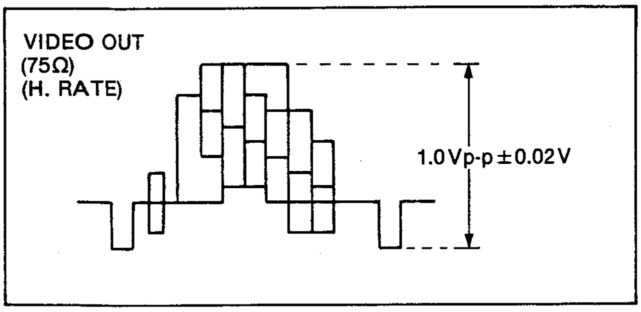


Figure E38

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR33812
TAPE	COLOR BAR SIGNALRECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE OR W.F.M.
SPEC.	1.0Vp-p +/- 0.02V

[SET UP]
IMAGE SW : NORM
TBC SW : BYPASS

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope (W.F.M) to VIDEO OUT.
3. Adjust VR33812 so that the level becomes 1.0Vp-p +/- 0.02V as shown in Figure E38.

6-3-3-17. SYNC LEVEL ADJ.

[NOTE]
VIDEO OUT should be 75 ohm terminated.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR33813
TAPE	
INPUT SIGNAL	100% WHITE VIDEO SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE OR W.F.M.
SPEC.	0.275Vp-p +/- 0.01V

[SET UP]
INPUT SW : LINE
IMAGE SW : NORM
AGC SW : ON
TBC SW : BYPASS
S-VHS SW : ON

1. Connect a scope (W.F.M) to VIDEO OUT.
2. Adjust VR33813 so that the sync level becomes 0.275V p-p +/- 0.01V as shown in Figure E39.

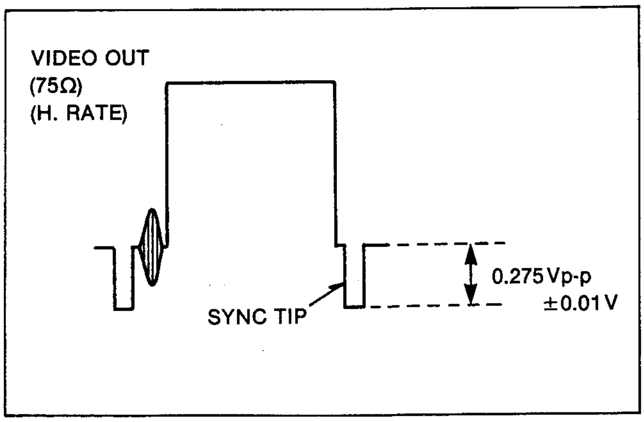


Figure E39

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR33813
TAPE	100% WHITE VIDEO SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE OR W.F.M.
SPEC.	0.275Vp-p +/- 0.01V

[SET UP]
IMAGE SW : NORM
TBC SW : BYPASS

1. Play back the 100% white video signal other recorded tape by S-VHS.
2. Connect a scope (W.F.M) to VIDEO OUT.
3. Adjust VR33813 so that the sync level becomes 0.275V p-p +/- 0.01V as shown in Figure E39.

6-3-3-18. MONITOR OUT LEVEL ADJ.

[NOTE]

1. This adjustment should be performed only after completion of 6-3-3-16. Line Out Level Adj.

2. MONITOR OUT should be 75 ohm terminated.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
ADJ.	VR34102
TP	VIDEO MONITOR OUT (75 ohm)
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE OR W.F.M.
SPEC.	1.0Vp-p +/- 0.02V

[SET UP]

INPUT SW : LINE
IMAGE SW : NORM
S-VHS SW : ON
AGC SW : ON
TBC SW : BYPASS

1. Connect a scope (W.F.M) to MONITOR OUT.
2. Adjust VR34102 so that the level become 1.0Vp-p +/- 0.02V as shown in Figure E40.

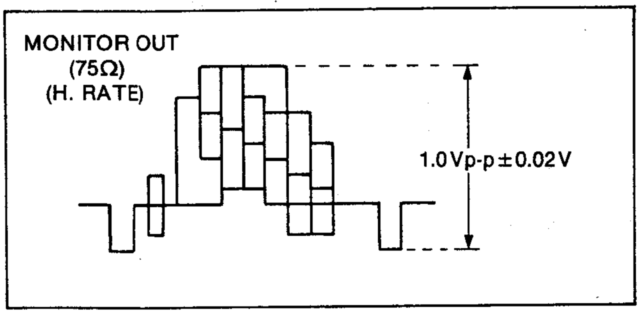


Figure E40

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
ADJ.	VR34102
TP	MONITOR OUT (75 ohm)
TAPE	COLOR BAR SIGNAL RECORDED TAPE(S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE OR W.F.M.
SPEC.	1.0Vp-p +/- 0.02V

[SET UP]

IMAGE SW : NORM
TBC SW : BYPASS

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope (W.F.M) to MONITOR OUT.
3. Adjust VR34102 so that the level become 1.0Vp-p +/- 0.02V as shown Figure E40.

6-3-3-19. S-VHS Y OUPUT LEVEL ADJ.

[NOTE]

1. S-VIDEO OUT should be 75 ohm terminated.

2. We recommend the S-VIDEO/BNC Conversion Adaptor(Figure E41) to get the Y and/or C signals from the 4-Pin S-VIDEO connector.

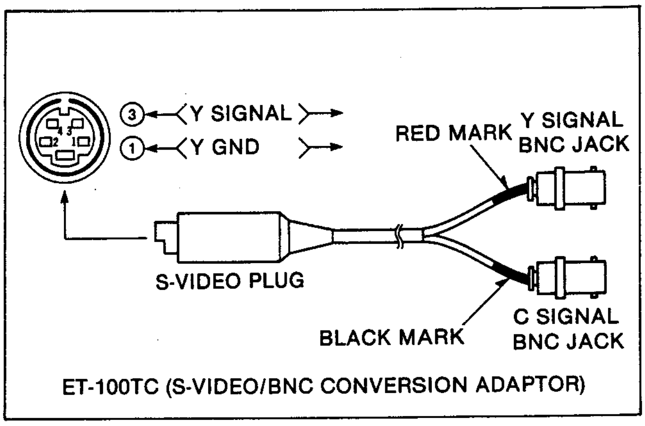


Figure E41

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	S-VIDEO OUT PIN1(Y), PIN3(GND)
ADJ.	VR33809
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE OR W.F.M.
SPEC.	1.0Vp-p +/- 0.02V

[SET UP]

S-VHS SW : ON
INPUT SW : LINE
IMAGE SW : NORM
AGC SW : ON
TBC SW : BYPASS

1. Connect a scope to S-VIDEO OUT PIN1(Y), PIN3(GND).
2. Adjust VR33809 so that the level becomes 1.0Vp-p +/- 0.02V as shown in Figure E42.

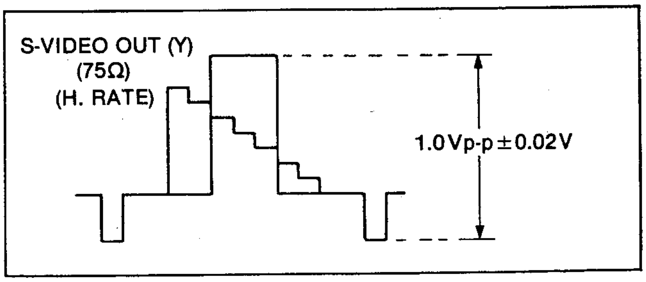


Figure E42

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	S-VIDEO OUT PIN1(Y), PIN3(GND)
ADJ.	VR33809
TAPE	COLOR BAR SIGNAL RECORDED TAPE(S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE OR W.F.M.
SPEC.	1.0Vp-p +/- 0.02V

[SET UP]
IMAGE SW : LINE
TBC SW : BYPASS

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to S-VIDEO OUT PIN1(Y), PIN3(GND).
3. Adjust VR33809 so that the level becomes 1.0Vp-p +/- 0.02V as shown in Figure E42.

6-3-3-20. OSD FREE RUN FREQUENCY ADJ.

BOARD	VIDEO PB C.B.A.
TP	TP34101
ADJ.	VR34101
TAPE	
INPUT SIGNAL	NO SIGNAL
MODE	EJECT (E-E)
M.EQ	FREQUENCY COUNTER
SPEC.	f = 15,734Hz +/- 50Hz

[SET UP]
S-VHS SW : ON (AG-7750 only)

1. Connect a TP34102 to GND.
2. Connect a frequency counter to TP34101 and Adjust VR34101 so that the frequency becomes 15,734Hz +/- 50Hz.

6-3-3-21. OSD CARACTOR WIDTH ADJ.

BOARD	VIDEO PB C.B.A.
TP	TP34103
ADJ.	CT34101
TAPE	
INPUT SIGNAL	
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	T=50usec +/- 0.5usec

[SET UP]
SEARCH DIAL MODE SW : MENU
SETUP-MENU : NO.2002

1. Connect a scope to TP34103.
2. Push the MENU (SEARCH) Key on the Fornt Panel.
3. Turn the JOG dial so that the SETUP-MENU NO. becomes "2002" (flash).
4. Adjust CT34101 so that the "T" becomes 50usec +/- 0.5usec as shown in Figure E43.

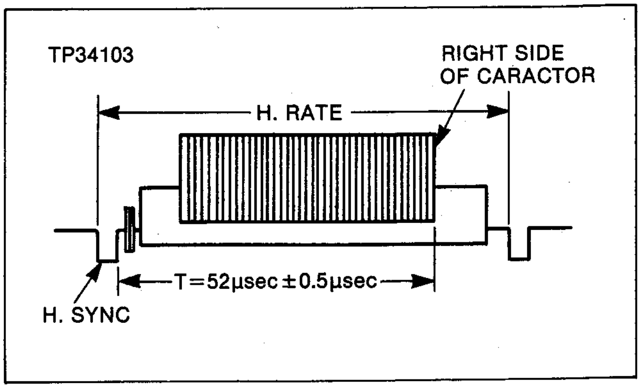


Figure E43

6-3-3-22. S-VHS RINGING ADJ. (1)

BOARD	VIDEO PB C.B.A., SUB VIDEO C.B.A.
TP	TP33806, TP34102 (TRG.)
ADJ.	VR33501, VR35503
TAPE	MONOSCOPE SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	REFER TO FIG. E45, E46

[SET UP]
IMAGE SW : EDIT
TBC SW : BYPASS

– FOR AG-7750 –

1. Play back the monoscope signal self recorded tape by S-VHS mode.

– FOR AG-7650 –

1. Play back the monoscope signal other recorded tape by S-VHS mode.

– FOR AG-7750, 7650 –

2. Turn VR35503 (Sub Video C.B.A.) fully clockwise from foil side.
3. Connect a scope to TP33806 and expand the "A" portion as shown in Figure E44.

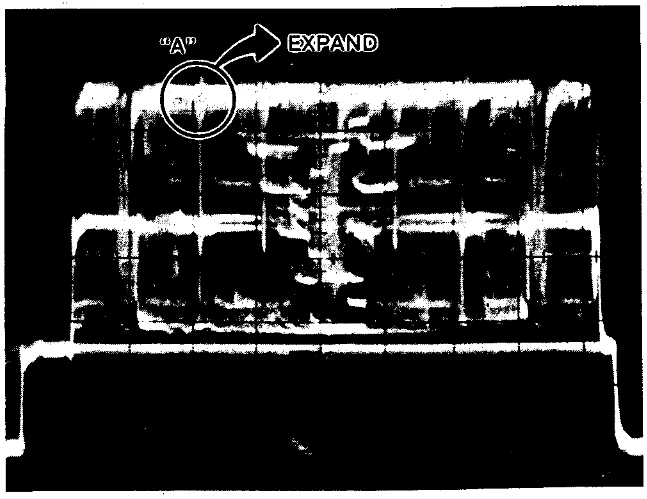


Figure E44

4. For a moment turn VR33501 fully counterclockwise and memorize level of the ringing "B" portion as shown in Figure E45.

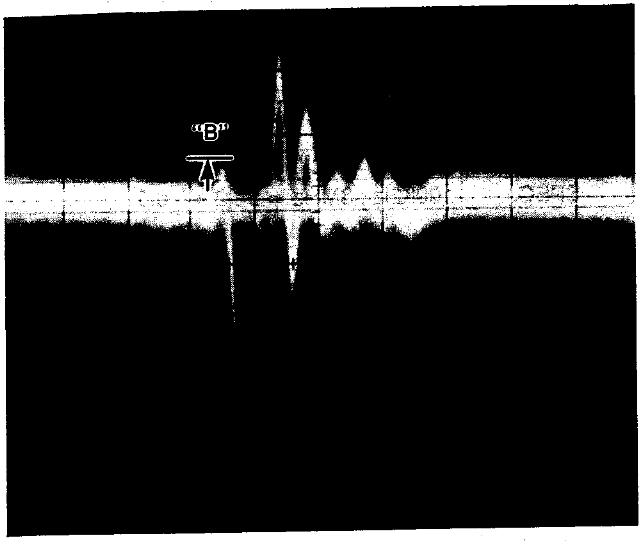


Figure E45

5. Adjust VR33501 slowly clockwise so that the level of ringing "B" portion becomes same level as tape 4. (When you turn VR33501 clockwise, the level of "B" portion falls for a moment and rise.)
6. Adjust VR35503 slowly counterclockwise so that the levels of ringing "C" portion becomes minimum as shown in Figure E46.

[NOTE]
After this adjustment is finished, adjust 6-3-3-23. S-VHS Normal Equalizer Adj. and 6-3-3-24. S-VHS Ringing Adj. (2).

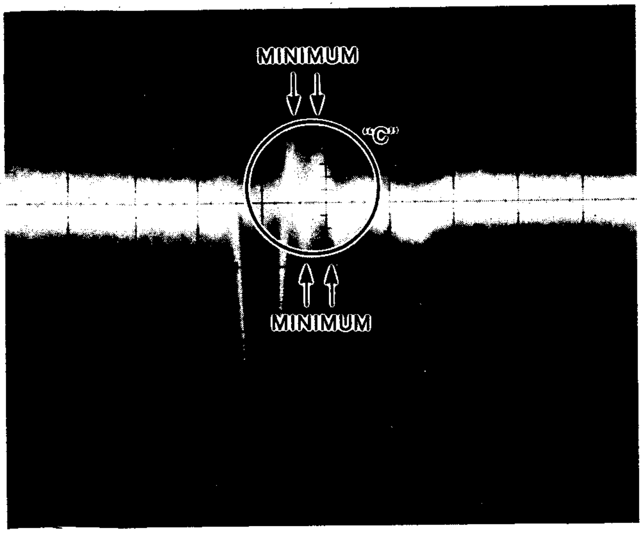


Figure E46

6-3-3-23. S-VHS NORMAL EQUALIZER ADJ.

BOARD	SUB VIDEO C.B.A.
TP	TP33506
ADJ.	VR35505(CH1), VR35506(CH2)
TAPE	30% VIDEO SWEEP (B/W) SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	100KHz : 3MHz = 6 : 3 +/- 0.5

[NOTE]
This adjustment should be performed only after completion of 6-3-3-22. S-VHS Ringing Adj.

[SET UP]
IMAGE SW : EDIT

– FOR AG-7750 –

1. Play back the 30% sweep signal self recorded tape by S-VHS mode. (Vary the vertical scope setting until the 100KHz level reaches 6 divisions)

– FOR AG-7650 –

1. Play back the 30% sweep signal other recorded tape by S-VHS mode. (Vary the vertical scope setting untill the 100KHz level reaches 6 divisions)

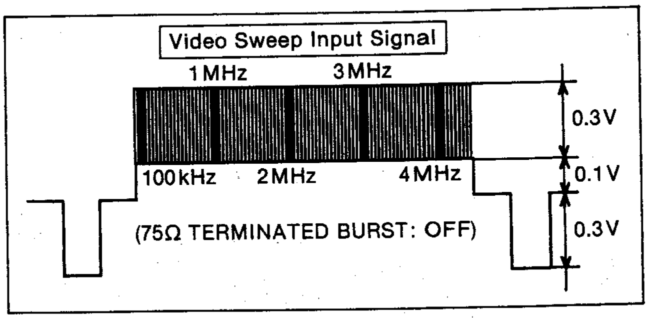


Figure E47

– FOR AG-7750, 7650 –

2. Connect a scope to TP33506 on the VIDEO PB C.B.A, and adjust VR35505(CH1) and VR35506(CH2) so that the level becomes as shown in Figure E48.

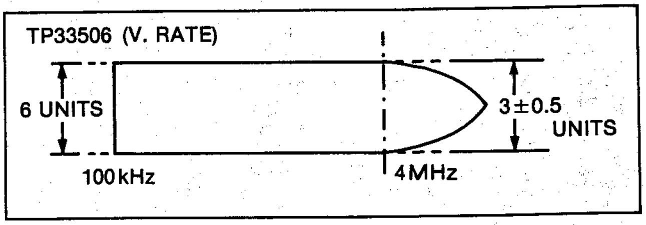


Figure E48

6-3-3-24. S-VHS RINGING ADJ. (2)

BOARD	VIDEO PB C.B.A., SUB VIDEO C.B.A.
TP	TP33806
ADJ.	VR35501, VR35503
TAPE	MONOSCOPE SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	REFER TO FIG.E49

[NOTE]

This adjustment should be performed only after completion of 6-3-3-22. S-VHS Ringing Adj. (1) and 6-3-3-23. S-VHS Normal Equalizer Adj.

[SET UP]

IMAGE SW : EDIT
TBC SW : BYPASS

– FOR AG-7750 –

1. Play back the monoscope signal self recorded tape by S-VHS mode.

– FOR AG-7650 –

1. Play back the monoscope signal other recorded tape by S-VHS mode.

–FOR AG-7750, 7650 –

2. Connect a scope to TP33806 and expand the "A" portion as shown in Figure E44.
3. Adjust VR33501 so that the level of first and second ringings become the same level as shown in Figure E49.
4. Adjust VR35503 again so the the level of ringing becomes minimum.

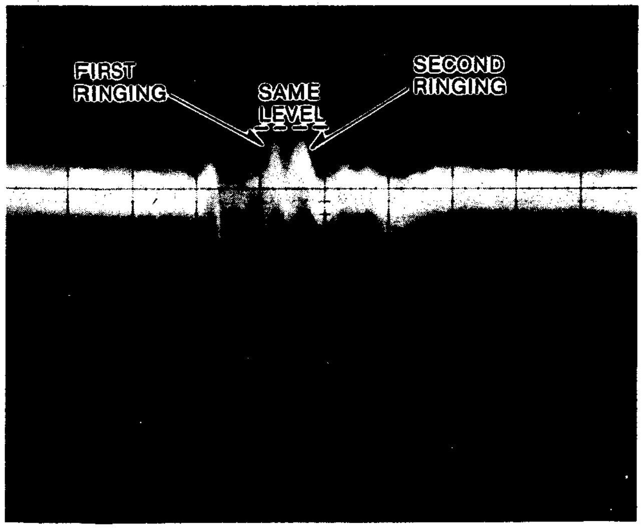


Figure E49

6-3-3-25. S-VHS S EQUALIZER ADJ.

BOARD	SUB VIDEO C.B.A.
TP	TP33506
ADJ.	VR35507
TAPE	30% VIDEO SWEEP (B/W) SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	100KHz : 3MHz = 5 : 2 +/- 0.5

[NOTE]

This adjustment should be performed only after completion of 6-3-3-23. S-VHS Normal Equalizer Adj.

[SET UP]

IMAGE SW : EDIT

1. Play back the 30% sweep signal self recorded tape by S-VHS mode.
2. Place the deck in the STILL mode.
3. Connect a scope to TP33506 and adjust VR35507 so that the level becomes as shown in Figure E50. (Vary the vertical scope setting until the 100KHz level reaches 5 divisions.

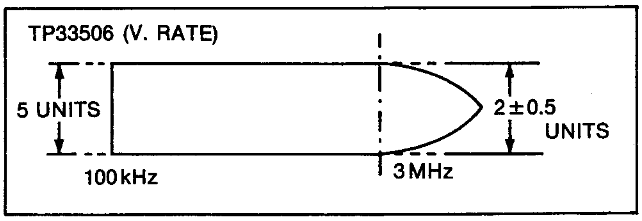


Figure E50

6-3-3-26. S-VHS RF LEVEL ADJ.

BOARD	SUB VIDEO C.B.A.
TP	TP35502
ADJ.	VR35504
TAPE	COLOR BAR SIGNAL RECORDED TAPE(S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	400mVp-p +/- 40mV

[NOTE]

This adjustment should be performed only after completion of 6-3-2. VIDEO REC SECTION (AG-7750 only), 6-3-3-22. S-VHS Ringing Adj.(1), 6-3-3-23. S-VHS Normal Equalizer Adj., 6-3-3-24. S-VHS Ringing Adj.(2).

– FOR AG-7750 –

1. Play back the color bar signal self recorded tape by S-VHS mode.

– FOR AG-7650 –

1. Play back the color bar signal other recorded tape by S-VHS mode.

– FOR AG-7750, 7650 –

2. Connect a scope to TP35506 and adjust VR335504 so that the level of V sync portion on the large side becomes 400mVp-p +/- 40mV as shown in Figure E51.

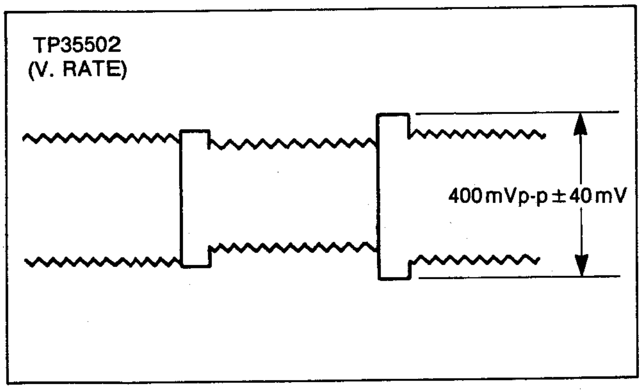


Figure E51

6-3-3-27. VHS CH1 & CH2 EQUALIZER ADJ.

BOARD	SUB VIDEO C.B.A.
TP	TP35706
ADJ.	VR35510, VR35511
TAPE	30% VIDEO SWEEP (W/BURST) SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	100KHz : 2MHz = 5 : 3.5 +/- 0.5

[NOTE]

When you record the 30% video sweep(w/burst) signal, set the IMAGE SW to EDIT.

[SET UP]

IMAGE SW : EDIT

– FOR AG-7750 –

1. Play back the 30% video sweep(w/burst) signal self recorded tape by VHS mode.

– FOR AG-7650 –

1. Play back the 30% video sweep(w/burst) signal other recorded tape by VHS mode.

– FOR AG-7750, 7650 –

2. Connect a scope to TP35706 on the VIDEO PB C.B.A. and adjust VR35510(CH1) and VR35511(CH2) so that the level becomes as shown in Figure E52.
(Vary the vertical scope setting until the 100KHz level reaches 5 divisions).

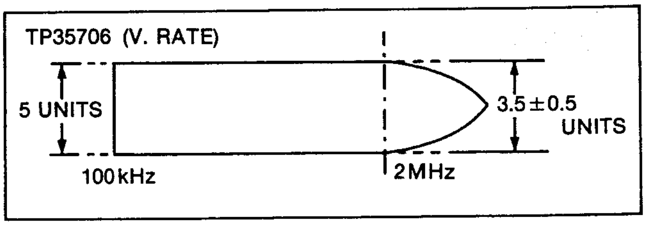


Figure E52

6-3-3-28. VHS RF LEVEL ADJ.

BOARD	SUB VIDEO C.B.A.
TP	TP35503
ADJ.	VR35512
TAPE	COLOR BAR SIGNAL RECORDED TAPE(S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	900mVp-p +/- 50mV

[NOTE]

This adjustment should be performed only after completion of 6-3-2. VIDEO REC SECTION (AG-7750 only), 6-3-3-22. S-VHS Ringing Adj.(1), 6-3-3-23. S-VHS Normal Equalizer Adj., 6-3-3-24. S-VHS Ringing Adj. (2).

[SET UP]

IMAGE SW : NORM

– FOR AG-7750 –

1. Play back the color bar signal self recorded tape by VHS mode.

– FOR AG-7650 –

1. Play back the color bar signal other recorded tape by VHS mode.

– FOR AG-7750, 7650 –

2. Connect a scope to TP35503 and adjust VR35512 so that the level of V sync portion on the large side becomes 900mVp-p +/- 50mV as shown in Figure E53.

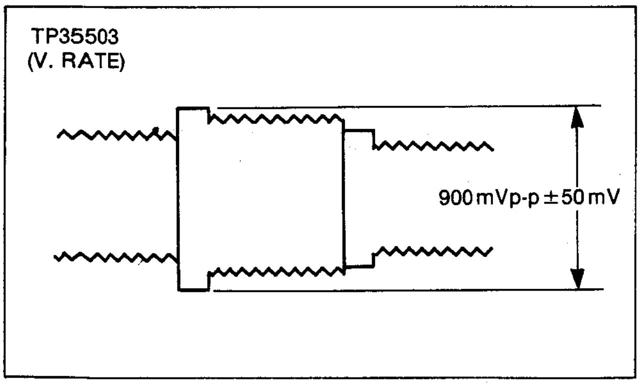


Figure E53

6-3-3-29. S-VHS SUPER LIMITER ADJ.

BOARD	VIDEO PB C.B.A.
TP	TP35703
ADJ.	VR35901
TAPE	COLOR BAR SIGNAL RECORDED TAPE(S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	550mVp-p +/- 50mV

[NOTE]

This adjustment should be performed only after completion of the SUB VIDEO C.B.A. (item :6-3-3-22 to 6-3-3-28) adjustments.

[SET UP]

IMAGE SW : NORM

– FOR AG-7750 –

1. Play back the color bar signal self recorded tape by S-VHS mode.

– FOR AG-7650 –

1. Play back the color bar signal other recorded tape by S-VHS mode.

– FOR AG-7750,7650 –

2. Connect a scope to TP35703 and adjust VR35901 so that the level on the small side becomes 550mVp-p +/- 50mV as shown in Figure E54.

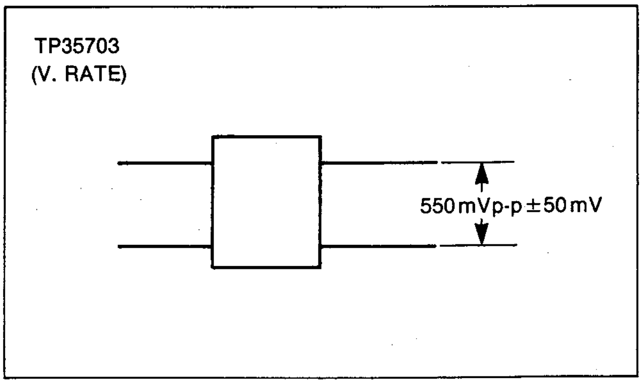


Figure E54

6-3-3-30. TRCKING METER ADJ.

BOARD	VIDEO PB C.B.A.
TP	TRACKING METER
ADJ.	VR35902
TAPE	COLOR BAR RECORDED TAPE
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	REFER TO FIG. E55

[SET UP]

IMAGE SW : NORM
TRACKING VR : FIX (CENTER)

– FOR AG-7750 –

1. Play back the color bar signal self recorded tape by S-VHS mode.

– FOR AG-7650 –

1. Play back the color bar signal other recorded tape by S-VHS mode.

– FOR AG-7750,7650 –

2. Adjust VR35902 so that the needle of TRACKING METER reaches point "B" as shown in Figure E55.

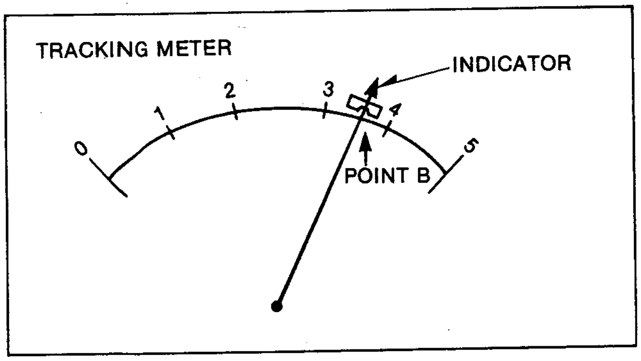


Figure E55

6-3-3-31. VHS VIDEO EQUALIZER (COLOR) ADJ.

BOARD	VIDEO PB C.B.A.
TP	TP33506
ADJ.	VR33508
TAPE	SIN^2 PULSE (2T) & BAR RECORDED TAPE (VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	REFER TO FIG. E56

[NOTE]

When you record the sin^2 pulse & bar signal, set the IMAGE SW to EDIT.

[SET UP]

IMAGE SW : EDIT
TBC SW : BYPASS

– FOR AG-7750 –

1. Play back the sin^2 pulse & signal self recorded tape by VHS mode.

– FOR AG-7650 –

1. Play back the sin^2 pulse & bar signal other recorded tape by VHS mode.

– FOR AG-7750,7650 –

2. Connect a scope to TP33506 and expand the sin^2 pulse.
3. Adjust VR33508 so that the level becomes minimum as shown in Figure E54.

6-3-3-32. VHS VIDEO EQUALIZER (B/W) ADJ.

BOARD	VIDEO PB C.B.A.
TP	TP33506
ADJ.	VR33508
TAPE	SIN^2 PULSE (2T) & BAR (B/W) SIGNAL RECORDED TAPE (VHS)
INPUT SIGNAL	
MODE	VHS REC/PLAY
M.EQ	OSCILLOSCOPE
SPEC.	REFER TO FIG. E56

[NOTE]

When you record the sin^2 pulse & bar signal, set the IMAGE SW to EDIT.

– FOR AG-7750 –

1. Play back the sin^2 pulse & bar signal self recorded tape by VHS mode.

– FOR AG-7650 –

1. Play back the sin^2 pulse & bar signal other recorded tape by VHS mode.

– FOR AG-7750,7650 –

2. Connect a scope to TP33506 and expand the sin^2 pulse.
3. Adjust VR33506 so that the level becomes minimum as shown in Figure E56.

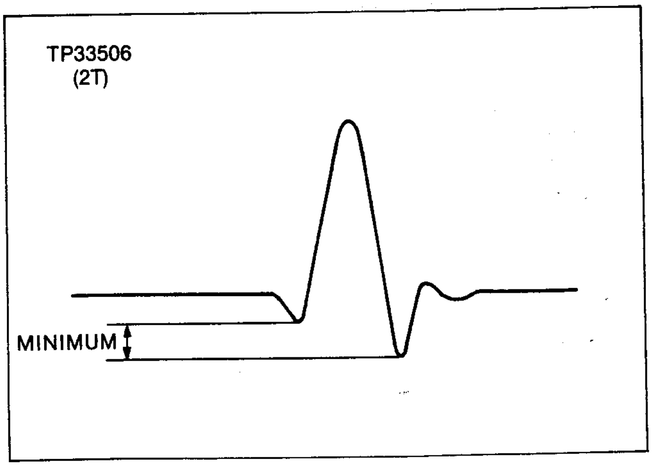


Figure E56

6-3-3-33. REFERENCE FREQUENCY ADJ.

BOARD	VIDEO PB C.B.A.
TP	TP38501
ADJ.	CT38501
TAPE	
INPUT SIGNAL	NO SIGNAL
MODE	EJECT (E-E)
M.EQ	FREQUENCY COUNTER
SPEC.	3,579,545Hz +/- 10Hz

1. Connect a jumper wire between TP38505 and TP38509 (AG-7750 only).
2. Connect the frequency counter to TP38501 and adjust CT38501 so that the counter reads 3,579,545Hz +/- 10Hz.

6-3-3-34. PB VCO ADJ.

BOARD	VIDEO PB C.B.A.
TP	TP38502
ADJ.	VR38502
TAPE	
INPUT SIGNAL	NO SIGNAL
MODE	EJECT (E-E)
M.EQ	FREQUENCY COUNTER
SPEC.	629.4KHz +/- 5KHz

1. Connect a jumper wire between TP38505 and TP38509 (AG-7750 only).
2. Connect a jumper wire between TP38501 and GND.
3. Connect the frequency counter to TP38502 and adjust VR38502 so that the counter reads 629.4KHz +/- 5KHz.

6-3-3-35. CHROMA COMB FILTER ADJ.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP38714, TP38705, TP38716
ADJ.	VR38707, VR38708, VR38709, VR38716
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	MINIMUM

[SET UP]
S-VHS SW : ON
INPUT SW : LINE

1. Set the vertical scope setting of both the channels (CH1 and CH2) to the same range.
2. Set the scope to ADD (CH1 + CH2) mode.
3. Connect a CH1 of scope to TP38714.
4. Connect a CH2 of scope to TP38715.
5. Adjust VR38707 and VR38708 so that the level becomes minimum as shown in Figure E57.
6. Connect a CH1 of scope to TP38716.
7. Connect a CH2 of scope to TP38715 and adjust VR38709 and VR38716 so that the level becomes minimum as shown in Figure E57.

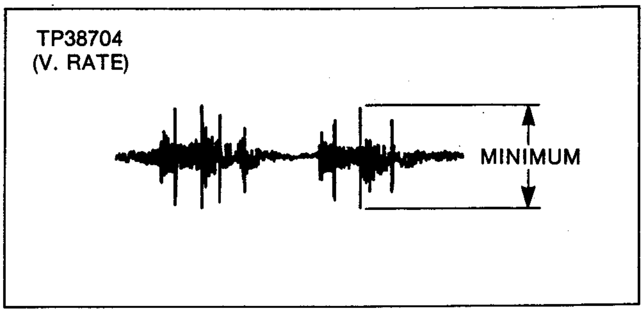


Figure E57

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP38714, TP38705, TP38716
ADJ.	VR38707, VR38708, VR38709, VR38716
TAPE	COLOR BAR RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	MINIMUM

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Set vertical scope setting of both the channels (CH1 and CH2) to the same range.
3. Set the scope to ADD (CH1 + CH2) mode.
4. Connect a CH1 of scope to TP38714.
5. Connect a CH2 of scope to TP38715.
6. Adjust VR38707 and VR38708 so that the level becomes minimum as shown in Figure E57.
7. Connect a CH1 of scope to TP38716.
8. Connect a CH2 of scope to TP38715 and adjust VR38709 and VR38716 so that the level becomes minimum as shown in Figure E57.

6-3-3-36. CAC WHITE BALANCE ADJ.

[NOTE]

Input of the vectorscope should be 75ohm terminated.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR38705, VR38706
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	VECTORSCOPE
SPEC.	REFER TO FIG. E58

[SET UP]

S-VHS SW : ON
INPUT SW : LINE
IMAGE SW : NORM
AGC SW : ON
TBC SW : BYPASS

1. Connect the vectorscope to VIDEO OUT and adjust VR38705 and VR38706 so that the point "C" becomes center as shown in Figure E58.

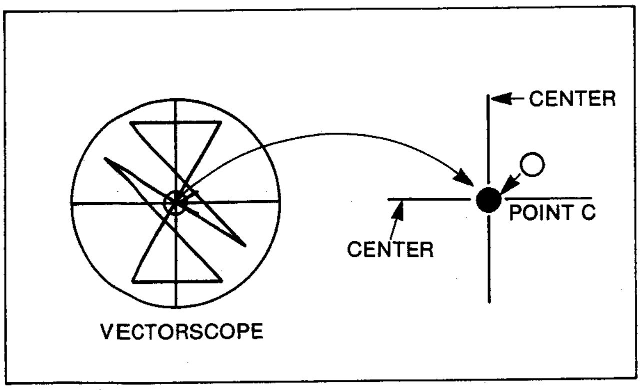


Figure E58

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR38705, VR38706
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	VECTORSCOPE
SPEC.	REFER TO FIG. E58

[SET UP]

IMAGE SW : NORM
TCB SW : BYPASS

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect the vectorscope to VIDEO OUT and adjust VR38705 and VR38706 so that the point "C" becomes center as shown in Figure E58.

6-3-3-37. CAC LEVEL ADJ.

[NOTE]

This adjustment should be performed only after completion of 6-3-3-36. CAC White Balance Adj.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP38704
ADJ.	VR38704
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	

[SET UP]

S-VHS SW : ON
AGC SW : ON
INPUT SW : LINE

1. Connect a scope to TP38704.
2. Read the cyan level when the IMAGE SW to "EDIT" position.
3. Turn the IMAGE SW to "NORM" position, and adjust VR38707 so that the "NORM" and "EDIT" levels become the same.

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP38704
ADJ.	VR38704
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to TP38704.
3. Read the cyan level when the IMAGE SW to "EDIT" position.
4. Turn the IMAGE SW to "NORM" position, and adjust VR38707 so that the "NORM" and "EDIT" levels become the same.

6-3-3-38. CNR Y BALANCE ADJ.

[NOTE]

This adjustment should be performed only after completion of 6-3-3-16. Lline Out Level Adj.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP38713
ADJ.	VR38710
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	MINIMUM

[SET UP]

S-VHS SW : ON
INPUT SW : LINE
IMAGE SW : CAC OFF
AGC SW : ON

1. Connect a scope to TP38713 and adjust VR38710 so that the level becomes minimum as shown in Figure E59.

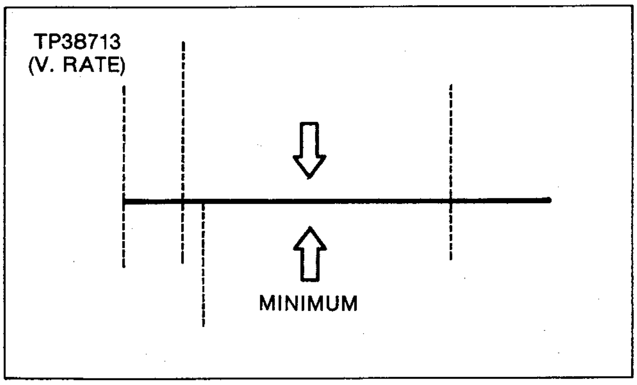


Figure E59

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP38713
ADJ.	VR38710
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	MINIMUM

[SET UP]

IMAGE SW : CAC OFF

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to TP38713 and adjust VR38710 so that the level becomes minimum as shown in Figure E59.

6-3-3-39. CNR ADJ.

[NOTE]

This adjustment should be performed only after completion of 6-3-3-38. CNR Y Balance Adj.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	TP38708
ADJ.	VR38713, VR38714
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	MINIMUM

[SET UP]

S-VHS SW : ON
INPUT SW : LINE
IMAGE SW : NORM
AGC SW : ON

1. Connect a scope to TP38708 and adjust VR38713 and VR38714 so that the chroma level becomes minimum as shown in Figure E60.

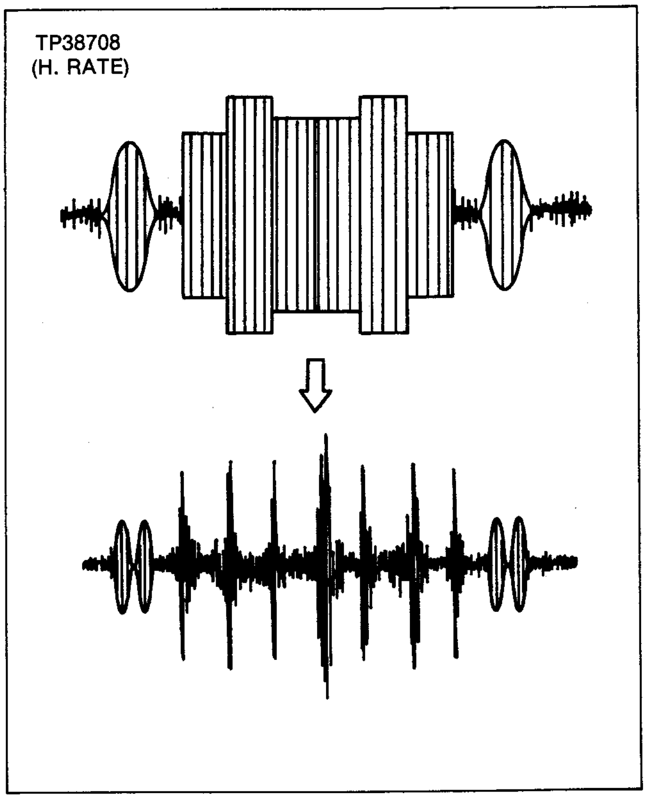


Figure E60

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	TP38708
ADJ.	VR38713, VR38714
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	MINIMUM

[SET UP]
IMAGE SW : NORM

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to TP38708 and adjust VR38713 and VR38714 so that the chroma level becomes minimum as shown in Figure E60.

6-3-3-40. PB CHROMA OUT LEVEL ADJ.

[NOTE]
The input of scope (W.F.M) should be 75ohm terminated.

A. FOR AG-7750

BOARD	VIDEO PB C.B.A.
TP	VIDEO OUT
ADJ.	VR38711
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE OR W.F.M.
SPEC.	0.6Vp-p +/- 0.03V

[SET UP]
S-VHS SW : ON
INPUT SW : LINE
AGC SW : ON
TBC SW : BYPASS

1. Connect a scope(W.F.M) to VIDEO OUT and adjust VR38711 so that the cyan level becomes 0.6Vp-p +/- 0.03V as shown in Figure E61.

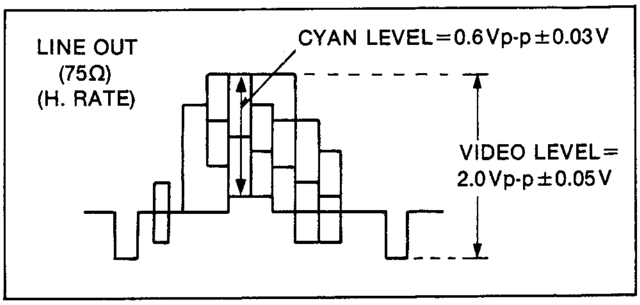


Figure E61

B. FOR AG-7650

BOARD	VIDEO PB C.B.A.
TP	VIDEO OUT
ADJ.	VR38711
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE OR W.F.M.
SPEC.	0.6Vp-p +/- 0.03V

[SET UP]
TBC SW : ON

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope(W.F.M) to VIDEO OUT and adjust VR38711 so that the cyan level becomes 0.6Vp-p +/- 0.03V as shown in Figure E61.

6-3-3-41. E-E S-VHS Y/C DELAY ADJ. (AG-7750 only)

BOARD	VIDEO REC C.B.A.
TP	TP33807
ADJ.	VR38008
TAPE	
INPUT SIGNAL	SIN² PULSE & BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	REFER TO FIG. E63

[NOTE]

This adjustment should be performed only after completion of 6-3-2-18. Rec Y/C Delay Adj.

[SET UP]

S-VHS SW : ON
INPUT SW : LINE
IMAGE SW : EDIT
AGC SW : ON
TBC SW : BYPASS

1. Connect a scope to TP33807 on the VIDEO PB C.B.A. and expand the "A" portion as shown in Figure E62.
2. Adjust VR38008 on the VIDEO REC C.B.A. so that the waveform becomes as shown in Figure E63.

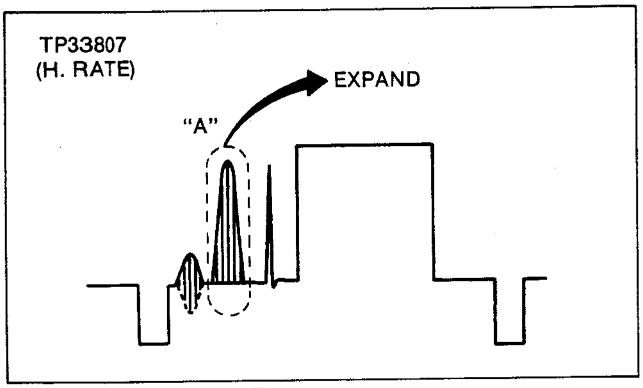


Figure E62

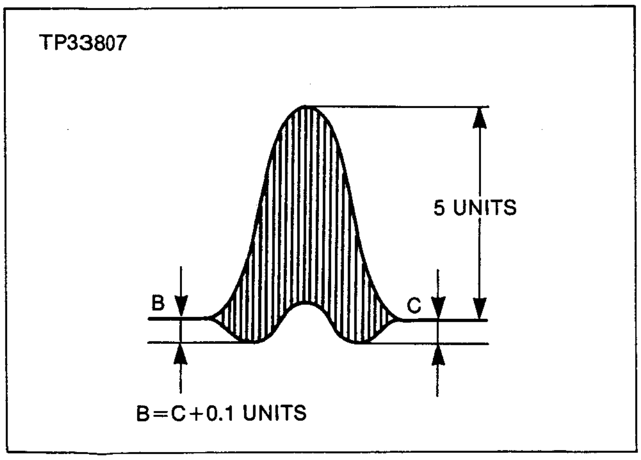


Figure E63

6-3-3-42. E-E VHS Y/C DELAY ADJ. (AG-7750 only)

BOARD	VIDEO REC C.B.A.
TP	TP33807
ADJ.	VR38009
TAPE	
INPUT SIGNAL	SIN² PULSE & BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	REFER TO FIG. E63

[NOTE]

This adjustment should be performed only after completion of 6-3-2-18. Rec Y/C Delay Adj.

[SET UP]

S-VHS SW : OFF
INPUT SW : LINE
IMAGE SW : EDIT
AGC SW : ON
TBC SW : BYPASS

1. Connect a scope to TP33807 on the VIDEO PB C.B.A. and expand the "A" portion as shown in Figure E62.
2. Adjust VR38009 on the VIDEO REC C.B.A. so that the waveform becomes as shown in Figure E63.

6-3-3-43. PB S-VHS Y/C DELAY ADJ.

BOARD	VIDEO REC C.B.A.
TP	VIDEO OUT
ADJ.	VR38506
TAPE	SIN^2 PULSE & BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	REFER TO FIG. E64

[NOTE] (AG-7750 only)
This adjustment should be performed only after completion of 6-3-2-17. Chroma S-VHS Rec Current Adj., 6-3-2-18. Rec Y/C Delay Adj., 6-3-2-19. Chroma VHS Rec Current Adj., 6-3-2-21. S-VHS Y Rec Current Adj. and 6-3-2-22. VHS Y Rec Current Adj.

[SET UP]
IMAGE SW : EDIT
TBC SW : BYPASS

– FOR AG-7750 –

1. Play back the sin^2 pulse & bar signal self recorded tape by S-VHS mode.

– FOR AG-7650 –

1. Play back the sin^2 pulse & bar signal other recorded tape by S-VHS mode.

– FOR AG-7750,7650 –

2. Connect a scope to VIDEO OUT and expand the "A" portion as shown in Figure E62.
3. Adjust VR38506 so that the waveform becomes as shown in Figure E64.

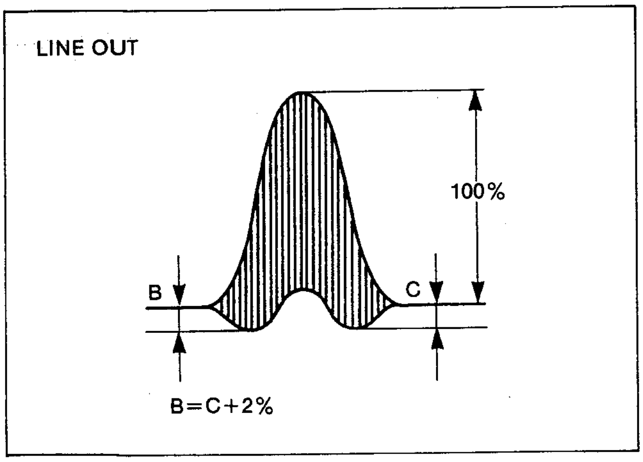


Figure E64

6-3-3-44. PB VHS Y/C DELAY ADJ.

BOARD	VIDEO REC C.B.A.
TP	VIDEO OUT
ADJ.	VR38507
TAPE	SIN^2 PULSE & BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	REFER TO FIG. E64

[NOTE] (AG-7750 only)
This adjustment should be performed only after completion of 6-3-2-17. Chroma S-VHS Rec Current Adj., 6-3-2-18. Rec Y/C Delay Adj., 6-3-2-19. Chroma VHS Rec Current Adj., 6-3-2-21. S-VHS Y Rec Current Adj. and 6-3-2-22. VHS Y Rec Current Adj.

[SET UP]
IMAGE SW : EDIT
TBC SW : BYPASS

– FOR AG-7750 –

1. Play back the sin^2 pulse & bar signal self recorded tape by S-VHS mode.

– FOR AG-7650 –

1. Play back the sin^2 pulse & bar signal other recorded tape by VHS mode.

– FOR AG-7750,7650 –

2. Connect a scope to VIDEO OUT and expand the "A" portion as shown in Figure E62.
3. Adjust VR38507 so that the waveform becomes as shown in Figure E64.

6-3-3-45. PB S-VHS DUB Y/C DELAY ADJ.

BOARD	VIDEO PB C.B.A.
TP	TP38507, TP33506
ADJ.	VR38508
TAPE	SIN^2 PULSE & BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	REFER TO FIG. E63

[NOTE]
This adjustment should be performed only after completion of 6-3-3-43. PB S-VHS Y/C Delay Adj.

[SET UP]
IMAGE SW : EDIT
TBC SW : BYPASS

– FOR AG-7750 –

1. Play back the sin^2 pulse & bar signal self recorded tape by S-VHS mode.

– FOR AG-7650 –

1. Play back the sin^2 pulse & bar signal other recorded tape by S-VHS mode.

– FOR AG-7750,7650 –

2. Connect a CH1 of scope to TP33506.
3. Connect a CH2 of scope to TP38507.
4. Set the vertical scope setting of both the channels (CH1 and CH2) to the same range.
5. Set the scope to ADD (CH1 + CH2) mode and expand the "A" portion as shown in Figure E62.
6. Adjust VR38508 so that the waveform becomes as shown in Figure E63.

6-3-3-46. PB VHS DUB Y/C DELAY ADJ.

BOARD	VIDEO PB C.B.A.
TP	TP38507, TP33506
ADJ.	VR38509
TAPE	SIN² PULSE & BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	REFER TO FIG. E63

[NOTE]

This adjustment should be performed only after completion of 6-3-3-44. PB VHS Y/C Delay Adj.

[SET UP]

IMAGE SW : EDIT
TBC SW : BYPASS

-- FOR AG-7750 --

1. Play back the sin² pulse & bar signal self recorded tape by VHS mode.

-- FOR AG-7650 --

1. Play back the sin² pulse & bar signal other recorded tape by VHS mode.

-- FOR AG-7750,7650 --

2. Connect a CH1 of scope to TP33506.
3. Connect a CH2 of scope to TP38507.
4. Set the vertical scope setting of both the channels (CH1 and CH2) to the same range.
5. Set the scope to ADD (CH1 + CH2) mode and expland the "A" portion as shown in Figure E62.
6. Adjust VR38509 so that the waveform becomes as shown in Figure E63.

6-3-3-47. PB DUB C OUT

BOARD	VIDEO REC C.B.A.
TP	TP33807, TP34102 (TRG.)
ADJ.	VR38505
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL
MODE	S-VHS REC/PLAY
M.EQ	OSCILLOSCOPE
SPEC.	900mVp-p +/- 20mV

[NOTE]

This adjustment should be performed only after completion of 6-3-3-45. PB S-VHS Dub Y/C Delay Adj. and 6-3-3-46. PB VHS Dub Y/C Delay Adj.

[SET UP]

IMAGE SW : EDIT
TBC SW : BYPASS

-- FOR AG-7750 --

1. Play back the color bar signal self recorded by S-VHS mode.

-- FOR AG-7650 --

1. Play back the color bar signal other recorded tape by S-VHS mode.

-- FOR AG-7750,7650 --

2. Connect a scope to TP38507, and adjust VR38505 so that the cyan level becomes 900mVp-p +/- 20mV as shown in Figure E65.

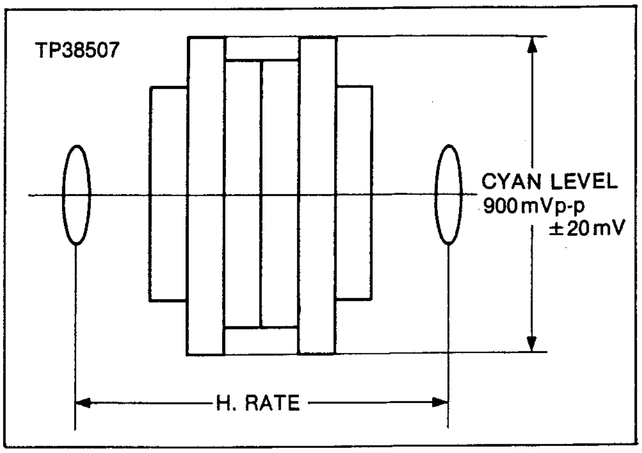


Figure E65

6-3-3-48. FLYING ERASE CURRENT ADJ. (AG-7750 only)

BOARD	SUB VIDEO C.B.A.
TP	TP35401(HOP), TP35402(GND)
ADJ.	VR35401, VR35402
TAPE	S-VHS RECORDED TAPE
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	VIDEO INSERT EDIT
M.EQ	OSCILLOSCOPE
SPEC.	150 mVp-p+/- 10mV

[SET UP]

S-VHS SW : ON
INPUT SW : LINE
IMAGE SW : NORM
AGC SW : ON

1. Connect a GND of scope to TP35402.
2. Connect a scope to TP35401 and adjust VR35401 and VR35402 so that the level becomes 150mVp-p +/- 10mV as shown in Figure E66.

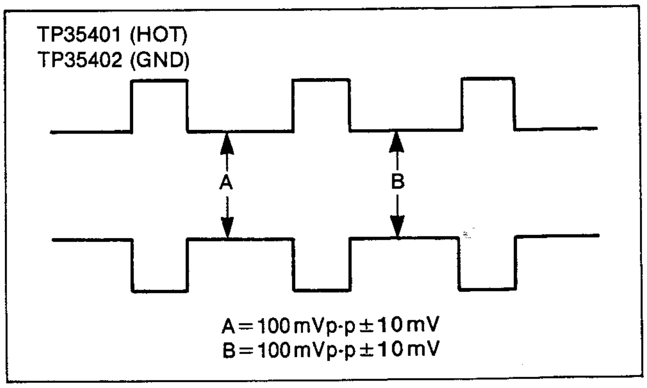
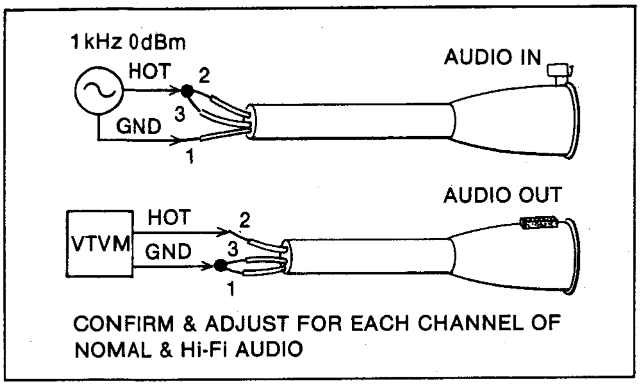


Figure E66

6-3-4. AUDIO SECTION

Unless otherwise specified, the following connections are used to check the output and input levels from/to AUDIO OUT and IN jacks(XLR).



CONFIRM & ADJUST FOR EACH CHANNEL OF NOMAL & Hi-Fi AUDIO

Figure E67

And connect the AG-7750 and Audio Meter (V.T.V.M. or D.V.M.) in parallel as shown in Figure E67 when you check the level of input signal.
(0dBm = 0.775Vrms = 2.19Vp-p).

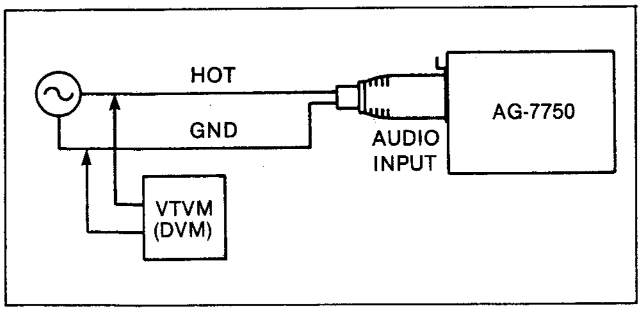


Figure E68

6-3-4-1. NORMAL AUDIO INPUT ADJ.
(AG-7750 only)

BOARD	AUDIO (1) C.B.A.
TP	NORM AUDIO OUT (CH1, CH2)
ADJ.	VR40002(CH1), VR40004(CH2)
TAPE	
INPUT SIGNAL	1KHz, 0dBm SINE WAVE SIGNAL
MODE	EJECT (E-E)
M.EQ	V.T.V.M. (D.V.M.)
SPEC.	0dBm +/- 0.2dBm

[NOTE]
0dBm = 0.775Vrms = 2.19Vp-p.

[SET UP]
AUDIO LIMITER : OFF (MENU NO.1011)
DOLBY NR : OFF (MENU NO.1012)
CH1 REC : CH1 (MENU NO.1014)
AUDIO CH2/LTC SW : AUDIO CH2
AUDIO OUT SELECT SW : NORM
INPUT AUDIO LEVEL SW (NORM / Hi-Fi) : 0dB
OUTPUT AUDIO LEVEL SW (NORM / Hi-Fi) : 0dB
NORMAL AUDIO LEVEL CONTROL : CENTER

1. Supply a 1KHz, 0dBm sine wave signal to the NORM / Hi-Fi(CH1 & CH2) AUDIO INPUT.
2. Adjust VR40002(CH1) and VR40004(CH2) so that the level becomes 0dBm +/- 0.2dBm.

6-3-4-2. Hi-Fi AUDIO INPUT ADJ.
(AG-7750 only)

BOARD	AUDIO (2) C.B.A.
TP	Hi-Fi AUDIO OUT (CH1, CH2)
ADJ.	VR41509(CH1), VR41508(CH2)
TAPE	
INPUT SIGNAL	1KHz, 0dBm SINE WAVE SIGNAL
MODE	EJECT (E-E)
M.EQ	V.T.V.M. (D.V.M.)
SPEC.	0dBm +/- 0.2dBm

[SET UP]
Hi-Fi REC SELECT : Hi-Fi INPUT (MENU NO.1013)
INPUT AUDIO LEVEL SW(Hi-Fi) : 0dB
OUTPUT AUDIO LEVEL SW NORM / Hi-Fi : 0dB
Hi-Fi AUDIO LEVEL CONTROL : CENTER

1. Supply a 1KHz, 0dBm sine wave signal to the Hi-Fi (CH1 & CH2) AUDIO INPUTS.
2. Adjust VR41509(CH1) and VR41508(CH2) so that the level becomes 0dBm +/- 0.2dBm.

6-3-4-3. AUDIO JACK OUTPUT BALANCE ADJ.

A. FOR AG-7750

BOARD	AUDIO JACK C.B.A.
TP	NORM AUDIO OUT(CH1,CH2) Hi-Fi AUDIO OUT(CH1,CH2)
ADJ.	NORM: VR42007(CH1), VR42008(CH2) Hi-Fi : VR42005(CH1), VR42006(CH2)
TAPE	
INPUT SIGNAL	1KHz, 0dBm SINE WAVE SIGNAL
MODE	EJECT (E-E)
M.EQ	V.T.V.M. (D.V.M.)
SPEC.	LESS THAN 68mVrms

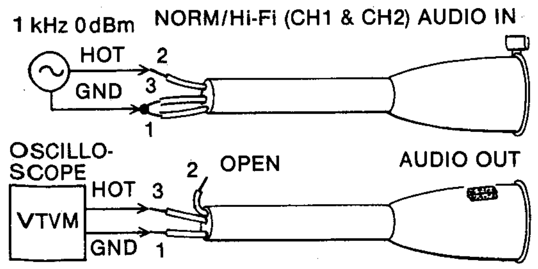
[NOTE]

This adjustment should be performed only after completion of 6-3-4-1. Normal Audio Input Adj. and 6-3-4-2. Hi-Fi Audio Input Adj.

[SET UP]

Hi-Fi REC SELECT : NORMAL INPUT (MENU NO.1013)
CH1 REC : CH1 (MENU NO.1014)
AUDIO CH2/LTC SW : AUDIO CH2
AUDIO OUT SELECT SW : NORM
INPUT AUDIO LEVEL SW(NORM / Hi-Fi) : 0dB
OUTPUT AUDIO LEVEL SW(NORM / Hi-Fi) : 0dB
NORMAL AUDIO LEVEL CONTROL : CENTER
Hi-Fi AUDIO LEVEL CONTROL : CENTER

1. Supply a 1KHz, 0dB sine wave signal to the NORM / Hi-Fi(CH1 & CH2) AUDIO INPUTS.
2. Connect the V.T.V.M.(D.V.M.) to the NORM / Hi-Fi AUDIO OUT(CH1, CH2) as shown in Figure E69.
3. Adjust VR42007(CH1) and VR42008(CH2) so that the level becomes minimum(less than 68mVrms).
4. Connect the V.T.V.M.(D.V.M.) to the Hi-Fi AUDIO OUT (CH1,CH2) as shown in Figure E69.
5. Adjust VR42005(CH1) and VR42006(CH2) so that the level becomes minimum(less than 68mVrms).
6. Perform 6-3-4-1. Normal Audio Input Adj. and/or 6-3-4-2. Hi-Fi Audio Input Adj. again if VR42007(CH1), VR42008(CH2) and/or VR42005(CH1), VR42006(CH2) are adjusted.



CONFIRM & ADJUST FOR EACH CHANNEL OF NORMAL & Hi-Fi AUDIO

Figure E69

B. FOR AG-7650

BOARD	AUDIO JACK C.B.A.
TP	NORM AUDIO OUT(CH1,CH2) Hi-Fi AUDIO OUT(CH1,CH2)
ADJ.	NORM:VR42007(CH1), VR42008(CH2) Hi-Fi :VR42005(CH1), VR42006(CH2)
TAPE	1KHz, 0dBm SINE WAVE SIGNAL RECORDED TAPE(NORMAL & Hi-Fi)
INPUT SIGNAL	
MODE	PLAY
M.EQ	V.T.V.M.(D.V.M.)
SPEC.	LESS THAN 68mVrms

[SET UP]

AUDIO CH2/LTC SW : AUDIO CH2
AUDIO OUT SELECT SW : NORM
OUTPUT AUDIO LEVEL SW(NORM / Hi-Fi) : 0dB
NORMAL AUDIO LEVEL CONTROL : CENTER
Hi-Fi AUDIO LEVEL CONTROL : CENTER

1. Play back the 1KHz, 0dBm sine wave signal other recorded tape(Normal & Hi-Fi).
2. Connect the V.T.V.M.(D.V.M.) to the NORM / Hi-Fi AUDIO OUT(CH1, CH2) as shown in Figure E69.
3. Adjust VR42007(CH1) and VR42008(CH2) so that the level becomes minimum(less than 68mVrms).
4. Connect the V.T.V.M.(D.V.M.) to the Hi-Fi AUDIO OUT (CH1,CH2) as shown in Figure E69.
5. Adjust VR42005(CH1) and VR42006(CH2) so that the level becomes minimum(less than 68mVrms).

6-3-4-4. AUDIO METER ADJ.(FOR AG-7750)

BOARD	AUDIO (2) C.B.A.
TP	AUDIO METER(CH1, CH2)
ADJ.	VR41001(CH1), VR41002(CH2)
TAPE	
INPUT SIGNAL	1KHz, 0dBm SINE WAVE SIGNAL
MODE	EJECT (E-E)
M.EQ	
SPEC.	0 +/- 0.5

[NOTE]

This adjustment should be performed only after completion of 6-3-4-1. Normal Audio Input Adj.

[SET UP]

AUDIO LIMITER : OFF (MENU NO.1011)
DOLBY NR : OFF (MENU NO.1012)
CH1 REC : CH1 (MENU NO.1014)
AUDIO CH2 / LTC SW : AUDIO CH2
INPUT AUDIO LEVEL SW (NORM / Hi-Fi) : 0dB
NORMAL AUDIO LEVEL CONTROL : CENTER
METER SW : NORM
AUDIO MONITOR SW : MIX

1. Supply a 1KHz, 0dBm sine wave signal to the NORM / Hi-Fi(CH1 & CH2) AUDIO INPUTs.
2. Adjust VR41001(CH1) and VR41002(CH2) so that the needle of Audio Level Meter(CH1 & CH2) reaches "0 +/ - 0.5" as shown in Figure E70.

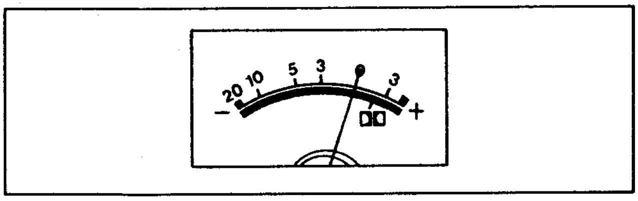


Figure E70

6-3-4-5. NORMAL AUDIO PB FREQUENCY RESPONCE ADJ.

BOARD	AUDIO (1) C.B.A.
TP	TP40001(CH1), TP40002(CH2)
ADJ.	VR40001(CH1), VR40006(CH2)
TAPE	VFM8080HQFP, PORTION:5
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	400Hz = 5KHz (+/- 0.5dB)

[SET UP]

DOLBY NR : OFF (MENU NO.1012)
AUDIO CH2 / LTC SW : AUDIO CH2

1. Set the VR40003 and VR40007 to center portion.
2. Connect a scope to TP40001(CH1) and TP40002(CH2), and adjust VR40001(CH1) and VR40006(CH2) so that the 400Hz and 5KHz levels become the same (0 +/- 0.5dB) as shown in Figure E71.

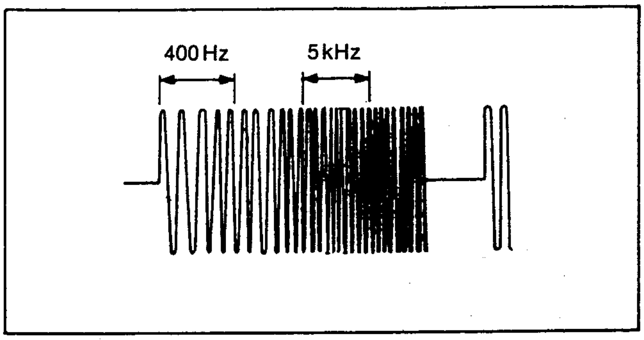


Figure E71

[NOTE]

After this adjustment is finished, adjust 6-3-4-6. Normal Audio PB Gain Adj.

6-3-4-6. NORMAL AUDIO PB GAIN ADJ.

BOARD	AUDIO (1) C.B.A.
TP	TP40001(CH1), TP40002(CH2)
ADJ.	VR40003(CH1), VR40007(CH2)
TAPE	VFM8080HQFP, PORTION:5
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	CH1 : 300mVp-p +/- 15mV CH2 : 310mVp-p +/- 15mV

[NOTE]

This adjustment should be performed only after completion of 6-3-4-5. Normal Audio PB Frequency Responce Adj.

[SET UP]

DOLBY NR : OFF (MENU NO.1012)
AUDIO CH2 / LTC SW : AUDIO CH2

1. Connect a scope to TP40001(CH1) and TP40002(CH2), and adjust VR40003(CH1) and VR40006(CH2) so that the levels becomes 300mVp-p +/- 15mV(CH1) and 310mVp-p +/- 15mV(CH2) as shown in Figure E72.

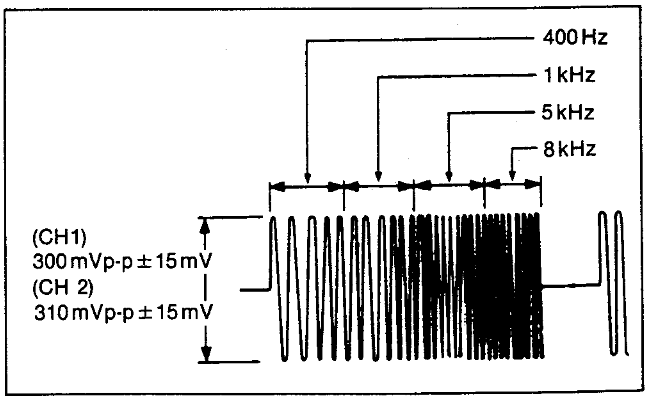


Figure E72

6-3-4-7. NORMAL AUDIO OUTPUT LEVEL ADJ. (AG-7650 only)

BOARD	AUDIO (1) C.B.A.
TP	NORM / Hi-Fi AUDIO OUT(CH1,CH2)
ADJ.	VR40002(CH1), VR40004(CH2)
TAPE	1KHz, 0dBm SINE WAVE SIGNAL RECPRDED TAPE (NORMAL)
INPUT SIGNAL	
MODE	PLAY
M.EQ	V.T.V.M. (D.V.M.)
SPEC.	2dBm +/- 0.5dBm

[NOTE]

This adjustment should be performed only after completion of 6-3-4-6. Normal Audio Gain Adj.

[SET UP]

DOLBY NR : OFF (MENU NO.1012)
AUDIO CH2/LTC SW : AUDIO CH2
OUTPUT AUDIO LEVEL SW (NORM/Hi-Fi) : 0dB
NORMAL AUDIO LEVEL CONTROL : CENTER

1. Play back the 1KHz, 0dBm sine wave signal other recorded tape(Normal Audio).
2. Connect the V.T.V.M.(D.V.M.) to the NORM / Hi-Fi AUDIO OUT(CH1, CH2).
3. Adjust VR40002(CH1) and VR40004(CH2) so that the level becomes 2dBm +/- 0.5dBm.

6-3-4-8. NORMAL AUDIO ERASE CURRENT ADJ. (AG-7750 only)

BOARD	AUDIO (1) C.B.A.
TP	TP40007(CH1), TP40008(CH2)
ADJ.	TL40003, TL40004(CH1), TL40005(CH2)
TAPE	BLANK TAPE
INPUT SIGNAL	
MODE	REC
M.EQ	FREQUENCY COUNTER, OSCILLOSCOPE
SPEC.	70KHz +/- 1KHz

1. Connect a frequency counter to TP40007 and adjust TL40003 so that the frequency becomes 70KHz +/- 1KHz.
2. Connect a oscilloscope to TP40007(CH1), TP40008 (CH2) and adjust TL40004(CH1), TL40005(CH2) so that the levels become maximum.

6-3-4-9. NORMAL AUDIO BIAS CURRENT ADJ. (AG-7750 only)

BOARD	AUDIO (1) C.B.A.
TP	A/C HEAD
ADJ.	S-VHS:TL40001(CH1), TL40002(CH2) VHS : VR40011(CH1), VR40012(CH2)
TAPE	VHS, S-VHS BLANK TAPE
INPUT SIGNAL	
MODE	REC
M.EQ	V.T.V.M. (D.V.M.)
SPEC.	S-VHS : 6.0mVrms +/- 0.1mVrms VHS : 5.0mVrms +/- 0.1mVrms

[SET UP]

AUDIO CH2 / LTC SW : AUDIO CH2

1. Insert the S-VHS blank tape and place the deck in REC mode.
2. Connect the V.T.V.M.(D.V.M.) to the A/C Head as shown in Figure E73.
3. Adjust TL40001(CH1) and TL40002(CH2) so that the levels become 6.0mVrms +/- 0.1mVrms.
4. Insert the VHS blank tape and place the deck in the REC mode.
5. Adjust VR40011(CH1) and VR40012(CH2) so that the levels become 5.0mVrms +/- 0.1mVrms.

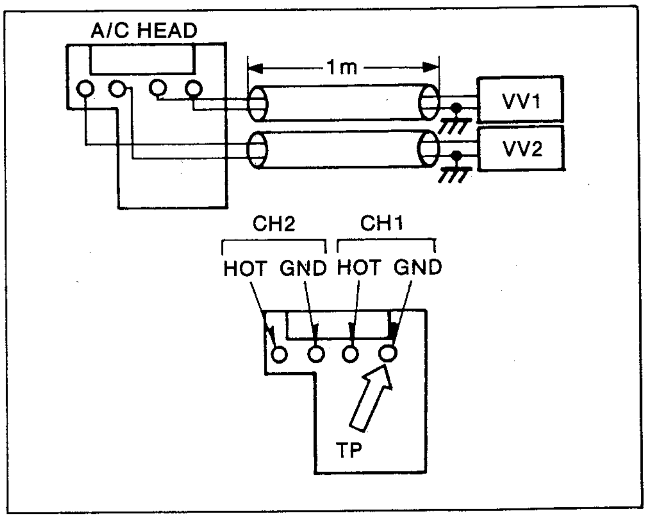


Figure E73

6-3-4-10. NORMAL AUDIO REC CURRENT ADJ. (AG-7750 only)

BOARD	AUDIO (1) C.B.A.
TP	NORM/Hi-Fi AUDIO OUT TP40003(CH1), TP40004(CH2)
ADJ.	VR40005(CH1), VR40010(CH2)
TAPE	S-VHS BLANK TAPE
INPUT SIGNAL	1KHz, 0dBm SINE WAVE SIGNAL
MODE	REC
M.EQ	V.T.V.M. (D.V.M.)
SPEC.	

[SET UP]

AUDIO LIMITER : OFF (MENU NO.1011)
DOLBY NR : OFF (MENU NO.1012)
CH1 REC : CH1 (MENU NO.1014)
AUDIO CH2 / LTC SW : AUDIO CH2
NORMAL AUDIO LEVEL CONTROL : CENTER
INPUT AUDIO LEVEL SW(NORM / Hi-Fi) : 0dB
AUDIO OUT SELECT SW : NORM

1. Connect the V.T.V.Ms to the deck as shown in Figure E74. Note that only one channel will be adjusted at a time.
2. Supply a 1KHz, 0dBm sine wave signal to NORM / Hi-Fi AUDIO INPUT(CH1).
3. Place the deck in the REC mode with S-VHS mode.
4. Adjust VR4005(CH1) so that V.T.V.M. (2) reads approximately 0.8Vrms(2.26Vp-p).
   Suppose that the indicated value on V.T.V.M. (1) is 0dBm.
5. Play back the recorded portion, and note the amount of difference between V.T.V.M. (1) and (2).
6. Place the deck in the REC mode again, and readjust VR40005(CH1) slightly, and repeat step 5, nothing the new difference.
7. Repeat this "Record / Set / Note to Playback / Note" record and playback readings is minimized (0dBm +/- 1dBm).
8. Repeat the above procedure aging for channel 2, using the other set of test points and VRs.

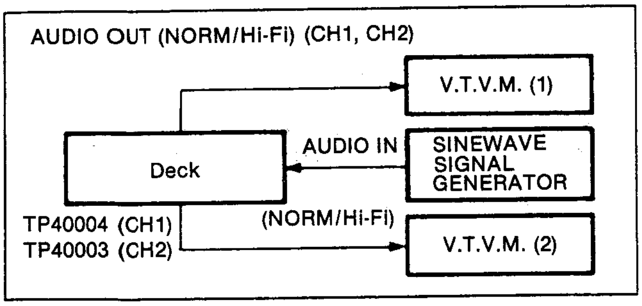


Figure E74

6-3-4-11. NORMAL AUDIO FREQUENCY RESPONSE ADJ. (AG-7750 only)

BOARD	AUDIO (1) C.B.A.
TP	TP40001(CH1), TP40002(CH2)
ADJ.	VHS:J40001(CH1), J40004(CH2) S-VHS:C40040(CH1), C40086(CH2)
TAPE	VHS, S-VHS BLANK TAPE
INPUT SIGNAL	1K, 5K, 8K, 10K, -20dBm SINE WAVE SIGNAL
MODE	REC & PLAY
M.EQ	V.T.V.M.(D.V.M.)
SPEC.	WITHN +/- 2dBm

[SET UP]

AUDIO LIMITER : OFF (MENU NO.1011)
DOLBY NR : OFF (MENU NO.1012)
CH1 REC : CH1 (MENU NO.1014)
AUDIO CH2 / LTC SW : AUDIO CH2
AUDIO OUT SELECT SW : NORM
INPUT AUDIO LEVEL SW(NORM / Hi-Fi) : 0dB
NORMAL AUDIO LEVEL CONTROL : CENTER

1. Record -20dBm sine wave signal(1KHz, 5K, 8K, 10KHz) on both S-VHS and VHS tapes, with the machine in the respective mode.
2. Read the level at TP4000(CH1) and TP40002(CH2) while playing back the 1KHz section. These are the reference level.
3. Play back the 5K, 8K and 10KHz sections.
4. Confirm that these higher frequency playback level match that of the 1KHz level to within +/- 2dB.
5. If the 8KHz playback level is more than +2dB higher than the 1KHz level, remove jumpers J40001(CH1) and/ or J40004(CH2).
6. Repeat step 2-4, playing back the VHS tape.
7. If the 8KHz playback level is more than +2dB higher then the 1KHz level, remove C40040(CH1) and/or C40086(CH2).

6-3-4-12. NORMAL AUDIO TIME CODE METER ADJ.

A. FOR AG-7750

BOARD	AUDIO (2) C.B.A.
TP	CH2 AUDIO METER
ADJ.	VR41003
TAPE	BLANK TAPE
INPUT SIGNAL	TIME CODE SIGNAL (or 300Hz, 1Vp-p SINE WAVE SIGNAL)
MODE	REC
M.EQ	
SPEC.	0 +/- 0.5

[SET UP]
AUDIO CH2 / LTC SW : AUDIO CH2

1. Supply a Time Code Signal(or 300Hz, 1Vp-p sine wave signal) to the TIME CODE IN connector.
2. Adjust VR41003 so that the Audio CH2 Level Meter reaches "0 +/- 0.5" point.

B. FOR AG-7650

BOARD	AUDIO (2) C.B.A.
TP	CH2 AUDIO METER
ADJ.	VR41003
TAPE	TIME CODE SIGNAL (LTC) RECORDED TAPE or 300Hz, 1Vp-p SINE WAVE SIGNAL RECORDED TAPE
INPUT SIGNAL	
MODE	PLAY
M.EQ	
SPEC.	0 +/- 0.5

[SET UP]
AUDIO CH2 / LTC SW : AUDIO CH2

1. Play back the Time Code(LTC)(or 300Hz, 1Vp-p sine wave) signal other recorded tape.
2. Adjust VR41003 so that the Audio CH2 Level Meter reaches "0 +/- 0.5" point.

6-3-4-13. Hi-Fi AUDIO HEAD SWITCHING SHIFTER ADJ.

BOARD	AUDIO (2) C.B.A.
TP	TP41503, TP41507
ADJ.	VR41503
TAPE	
INPUT SIGNAL	
MODE	EJECT
M.EQ	OSCILLOSCOPE
SPEC.	T= 10.95msec +/- 0.05msec

[NOTE]
This adjustment should be performed only after completion of 6-3-1-2. PG Shifter Adj.

1. Adjust VR41503 so that the "T" becomes 10.95msec +/- 0.05msec as shown in Figure E75.

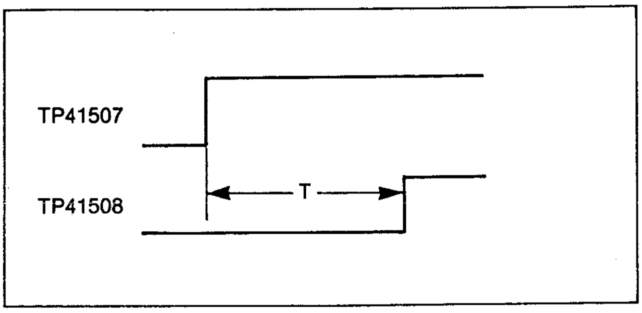


Figure E75

6-3-4-14. Hi-Fi AUDIO CARRIER FREQUENCY ADJ.

BOARD	AUDIO (2) C.B.A.
TP	TP41505(CH1), TP41506(CH2)
ADJ.	VR41502(CH1), VR41505(CH2)
TAPE	
INPUT SIGNAL	NO SIGNAL
MODE	EJECT
M.EQ	FREQUENCY COUNTER
SPEC.	1.3MHz +/- 10KHz (CH1) 1.7MHz +/- 10KHz (CH2)

[NOTE]
If signal level is too low to trigger frequency counter, adjust VR41506(CH1) and VR41507(CH2) clockwise.
Refer to Hi-Fi Audio Rec Current Adj. for the correct setting of these VRs, after this adjustment.

[SET UP]
HI-Fi REC SELECT : Hi-Fi INPUT (MENU NO.1013)

1. Ground the Hi-Fi Audio Inputs (CH1 & CH2).
2. Connect a counter to TP41505 and adjust VR41502 so that the frequency becomes 1.3MHz +/- 10KHz.
3. Connect a counter to TP41506 and adjust VR41505 so that the frequency becomes 1.7KHz +/- 10KHz.

6-3-4-15. Hi-Fi AUDIO DEVIATION ADJ. (AG-7750 only)

[NOTE]

This adjustment should be performed only after completion of 6-3-4-2. Hi-Fi Audio Input Level Adj.

A. FACTORY & LEAGAL ADJ.

BOARD	AUDIO (2) C.B.A.
TP	TP41505(CH1), TP41506(CH2)
ADJ.	VR41501(CH1), VR41504(CH2)
TAPE	
INPUT SIGNAL	1KHz, 0dB SINE WAVE SIGNAL
MODE	EJECT (E-E)
M.EQ	SPECTRUM ANALYZER
SPEC.	fw=100KHz +/- 5KHz

[SET UP]

Hi-Fi REC SELECT : Hi-Fi INPUT (MENU NO.1013)
INPUT AUDIO LEVEL SW(Hi-Fi) : 0dB
Hi-Fi AUDIO LEVEL CONTROL : CENTER

1. Supply a 1KHz, 0dBm sine wave signal to the Hi-Fi (CH1 & CH2) AUDIO INPUTs.
2. Connect the spectrum analyzer to TP41505(CH1) and set the center frequency to 1.3MHz.
3. Adjust VR41501(CH1) so that the width of the "fw" portion becomes 100KHz +/- 5KHz as shown in Figure E76.
4. Change the probe of spectrum analyzer form TP41505 (CH1) to TP41506(CH2) and set the center frequency of spectrum analyzer to 1.7MHz.
5. Adjust VR41504(CH2) so that the width of the "fw" portion becomes 100KHz +/- 5KHz as shown in Figure E76.

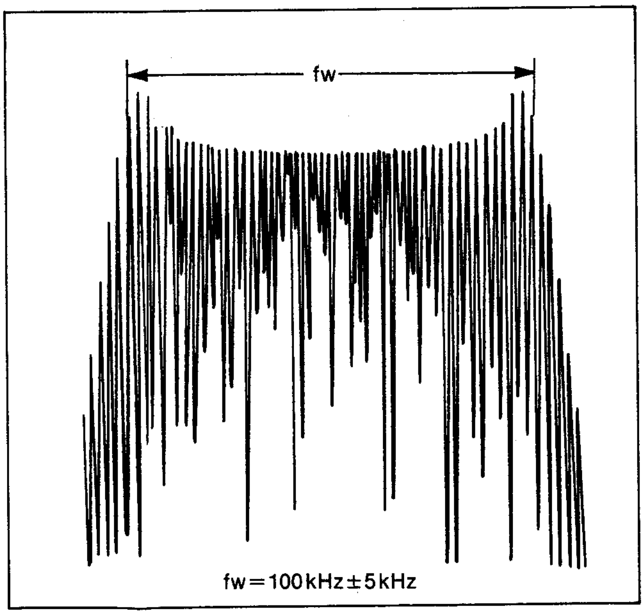


Figure E76

B. FIELD ADJ.

BOARD	AUDIO (2) C.B.A.
TP	TP41505(CH1), TP41506(CH2)
ADJ.	VR41501(CH1), VR41504(CH2)
TAPE	
INPUT SIGNAL	1KHz, 0dB SINE WAVE SIGNAL
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	370mVp-p +/- 10mV

1. Connect a scope to the pin of VR41501(CH1) and VR41504(CH2) as shown in Figure E77.
2. Adjust VR41501(CH1) and VR41504(CH2) so that the level becomes 370mVp-p +/- 10mV.

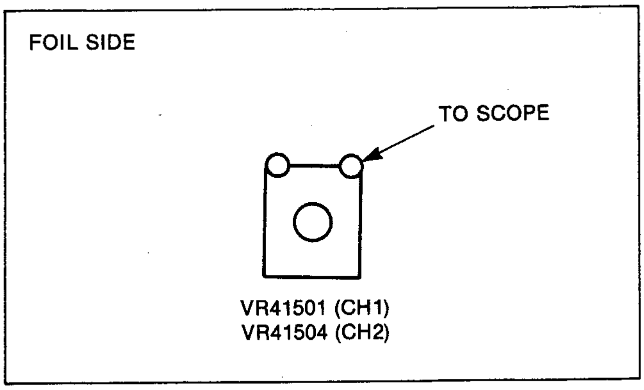


Figure E77

6-3-4-16. Hi-Fi AUDIO REC CURRENT ADJ. (AG-7750 only)

BOARD	AUDIO (2) C.B.A.
TP	TP41601(CH1), TP41602(CH2)
ADJ.	VR41506(CH1), VR41507(CH2)
TAPE	S-VHS BLANK TAPE
INPUT SIGNAL	NO SIGNAL
MODE	REC
M.EQ	
SPEC.	CH1:260mVp-p +/- 5mV, CH2:190mVp-p +/- 5mV

[SET UP]
S-VHS SW : ON
Hi-Fi REC SELECT : Hi-Fi INPUT (MNEU NO.1013)
Hi-Fi REC : ON

1. Ground the Hi-Fi Audio Input (CH1 & CH2).
2. Turn VR41506 fully clockwise.
3. Adjust VR41507 so that the level becomes 190mVp-p +/- 5mV as shown in Figure E78.
4. Adjust VR41506 so that the level becomes 260mVp-p +/- 5mV as shown in Figure E79.

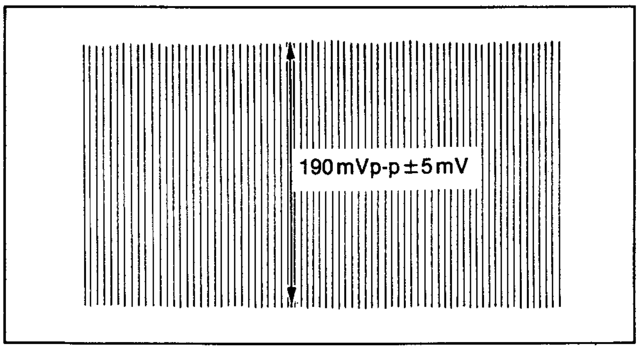


Figure E78

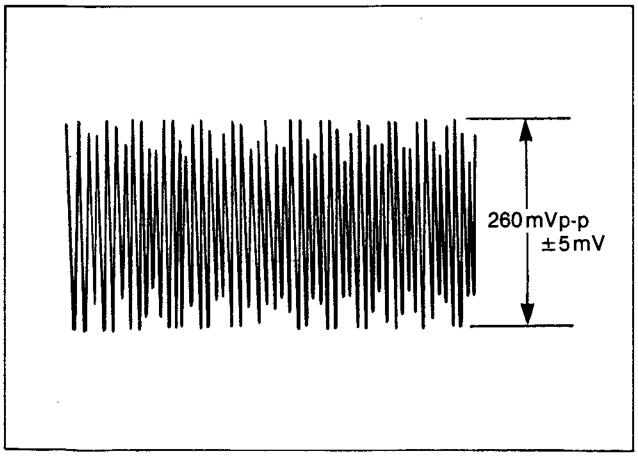


Figure E79

6-3-4-17. Hi-Fi AUDIO PB LEVEL ADJ. (AG7650 only)

BOARD	AUDIO (2) C.B.A.
TP	TP41501(CH1), TP41502(CH2)
ADJ.	VR41501(CH1), VR41504(CH2)
TAPE	VFM8080HQFP, PORTION : 1
INPUT SIGNAL	
MODE	PLAY
M.EQ	V.T.V.M.(D.V.M.)
SPEC.	-7dBm +/- 1dBm

1. Connect a V.T.V.M. to TP41501(CH1), TP41502(CH2).
2. Adjust VR41501(CH1) and VR41504(CH2) so that the level becomes -7dBm +/- 1dBm.

6-3-4-18. Hi-Fi AUDIO OUTPUT LEVEL ADJ. (AG7650 only)

BOARD	AUDIO (2) C.B.A.
TP	Hi-Fi AUDIO OUT(CH1, CH2)
ADJ.	VR41508(CH1), VR41509(CH2)
TAPE	1KHz, 0dBm SINE WAVE SIGNAL RECORDED TAPE
INPUT SIGNAL	
MODE	PLAY
M.EQ	V.T.V.M.(D.V.M.)
SPEC.	0dBm +/- 0.5dBm

[NOTE]
This adjustment should be performed only after completion of 6-3-4-17. Hi-Fi Audio PB Level Adj.

[SET UP]
OUTPUT AUDIO LEVEL SW : 0dB
NORMAL AUDIO LEVEL CONTROL : CENTER

1. Play back the 1KHz, 0dB sine wave signal other recorded tape.
2. Connect the V.T.V.M.(D.V.M.) to the Hi-Fi AUDIO OUT (CH1, CH2).
3. Adjust VR41508(CH1) and VR41509(CH2) so that the level becomes 0dBm +/- 0.5dBm.

6-3-4-19. AUDIO METER ADJ.
(FOR AG-7650)

BOARD	AUDIO (2) C.B.A.
TP	AUDIO METER (CH1, CH2)
ADJ.	VR41001(CH1), VR41002(CH2)
TAPE	1KHz, 0dBm SINE WAVE SIGNAL RECORDED TAPE (Hi-FI)
INPUT SIGNAL	
MODE	PLAY
M.EQ	
SPEC.	0 +/- 0.5

[NOTE]

This adjustment should be performed only after completion of 6-3-4-18. Hi-Fi Audio Output Level Adj.

[SET UP]

METER SW : Hi-Fi
AUDIO MONITOR SW : MIX

1. Play back the 1KHz, 0dB sine wave signal other recorded tape (Hi-Fi).
2. Adjust VR41001(CH1) and VR41002(CH2) so that the needle of Audio Level Meter(CH1 & CH2) reaches "0 +/ - 0.5" as shown in Figure E80.

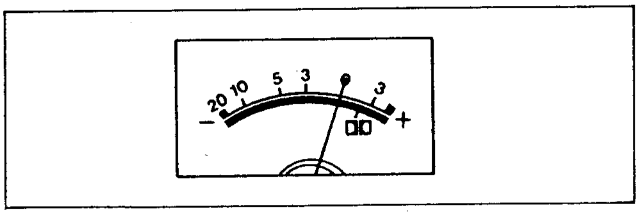


Figure E80

6-3-5. TBC SECTION

6-3-5-1. S/H ADJ.

BOARD	TBC (3) C.B.A.
TP	TP603, TP604
ADJ.	VR601
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (REF IN)
MODE	EJECT
M.EQ	OSCILLOSCOPE
SPEC.	A=B +/- 10%

1. Supply a color bar signal to the REF IN.
2. Connect a scope to TP603 and TP604.
3. Adjust VR601 so that the S/H pulse(TP604) becomes as shown in Figure E81.

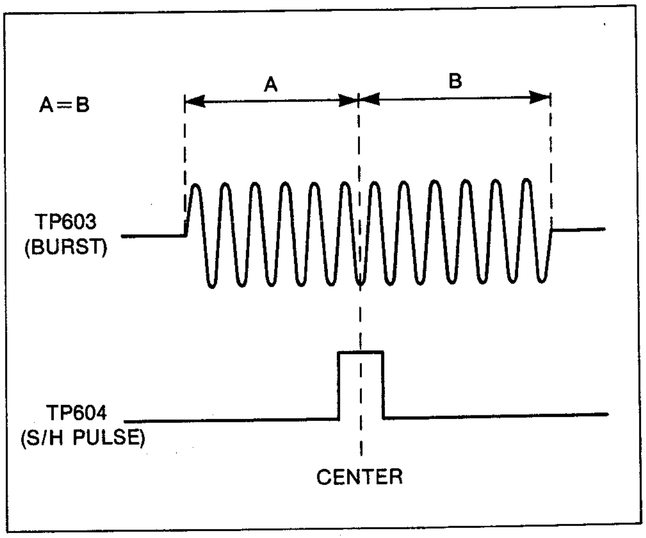


Figure E81

6-3-5-2. 14.3MHz VCO ADJ.

BOARD	TBC (3) C.B.A.
TP	TP607
ADJ.	VR653
TAPE	
INPUT SIGNAL	NO SIGNAL (REF IN)
MODE	EJECT
M.EQ	FREQUENCY COUNTER
SPEC.	3,579,545Hz +/- 5Hz

1. Connect a counter to TP607.
2. Adjust C653 so that the frequency becomes 3,579,545Hz +/- 5Hz.

6-3-5-3. REF SCH ADJ.

BOARD	TBC (3) C.B.A.
TP	TP607, TP608
ADJ.	VR605
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (REF IN)
MODE	EJECT
M.EQ	OSCILLOSCOPE
SPEC.	0° +/- 2°

[NOTE]

SCH of color bar signal(REF IN) should be 0 degree.

1. Connect the scope TP607 and TP608.
2. Adjust VR605 so that the raising edge of H pulse becomes as shown in Figure E82.

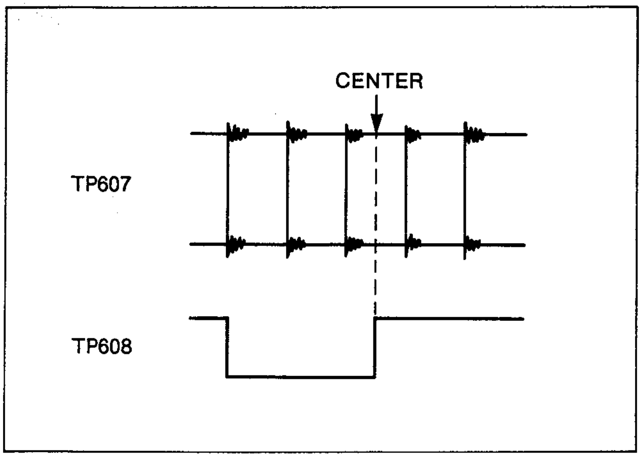

CENTER
TP607
TP608

Figure E82

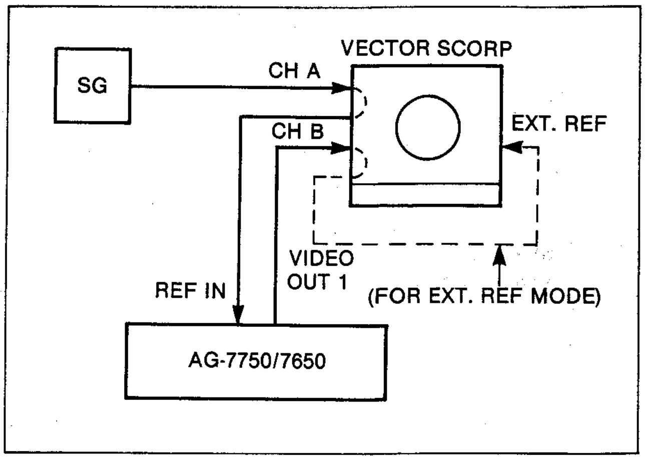

SG
CH A
VECTOR SCORP
CH B
EXT. REF
VIDEO OUT 1
REF IN
(FOR EXT. REF MODE)
AG-7750/7650

Figure E83

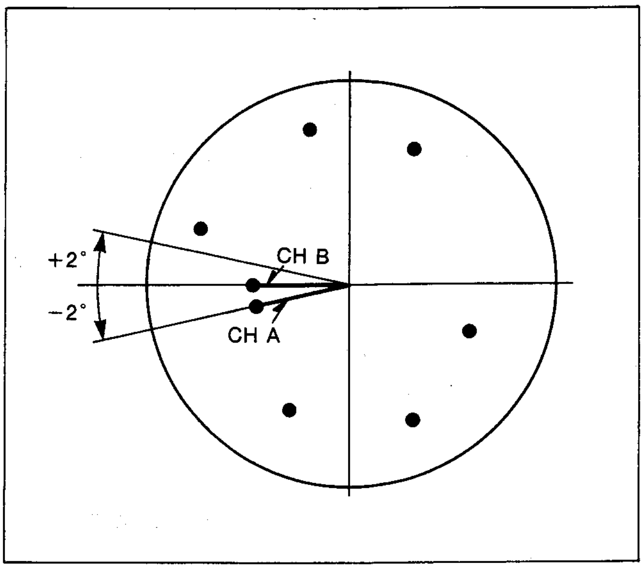


Figure E84

6-3-5-4. SYSTEM SC PHASE ADJ.

BOARD	TBC (3) C.B.A.
TP	VIDEO OUT
ADJ.	VR604
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (REF IN)
MODE	EJECT
M.EQ	VECTORSCOPE
SPEC.	0° +/- 2°

[SET UP]

TBC SW : LOCAL
SYSTEM PHASE SC(FINE) : CENTER

1. Connect the vectorscope as shown in Figure E83.
2. Set the vectorscope to B-CH REF mode or EXT REF mode. (vector of A-CH and B-CH are indicated)
3. Adjust VR604 so that the difference of burst phase between A-CH and B-CH becomes 0° +/- 2° as shown in Figure E84.

[NOTE]

If it does not become 0° +/- 2°, turn the SYSTEM PHASE SC (COARSE).

6-3-5-5. SCH PHASE ADJ.

BOARD	TBC (3) C.B.A.
TP	VIDEO OUT
ADJ.	VR602, SW601
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (REF IN)
MODE	EJECT
M.EQ	SCH METER
SPEC.	0^0 +/- 2^0

[SET UP]
TBC SW : LOCAL

1. Connect the SCH meter to VIDEO OUT.
2. Adjust VR602 so that the SCH becomes 0^0 +/- 2^0.

6-3-5-6. SYSTEM H PHASE ADJ.

BOARD	TBC (3) C.B.A.
TP	VIDEO OUT
ADJ.	VR603
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (REF IN)
MODE	EJECT
M.EQ	OSCILLSCOPE
SPEC.	

[SET UP]
TBC SW LOCAL
SYSTEM PHASE H : CENTER

1. Connect a scope as shown in Figure E85.
2. Adjust VR603 so that the H phase of these signals are the same as shown in Figure E86.

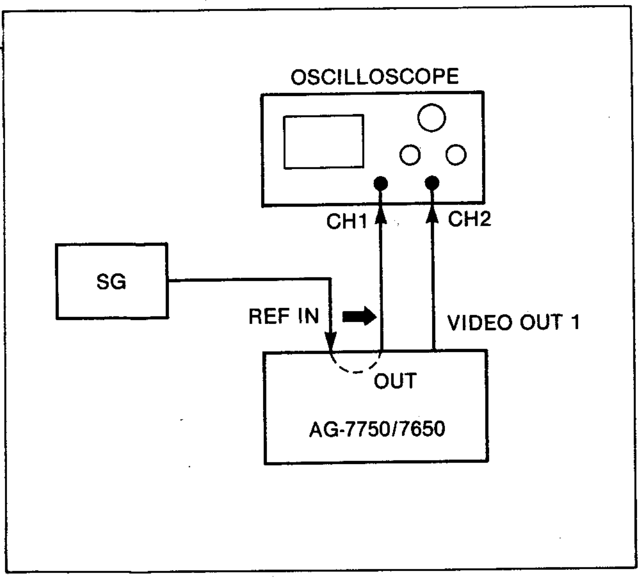

OSCILLOSCOPE
CH1
CH2
SG
REF IN
VIDEO OUT 1
OUT
AG-7750/7650

Figure E85

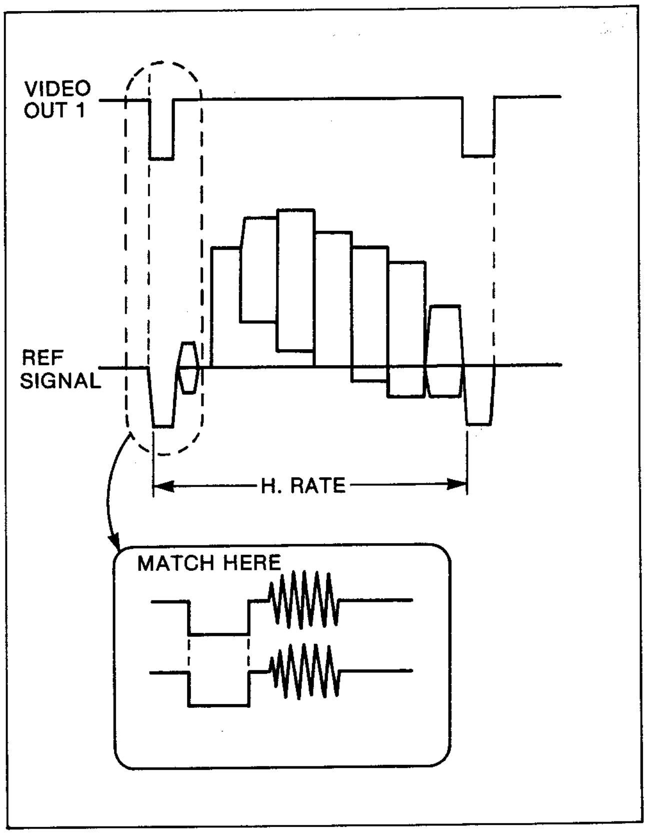

VIDEO OUT 1
REF SIGNAL
H. RATE
MATCH HERE

Figure E86

6-3-5-7. APC ADJ.

BOARD	TBC (1) C.B.A.
TP	TP8001
ADJ.	VR8005
TAPE	
INPUT SIGNAL	
MODE	
M.EQ	FREQUENCY COUNTER
SPEC.	3,579,545Hz +/- 10Hz

1. Connect a counter to TP8001.
2. Adjust VR8005 so that the frequency becomes 3,579,545Hz +/- 10Hz.

6-3-5-8. Y A/D LEVEL ADJ.

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	TP8002
ADJ.	VR8001
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	1.5Vp-p +/- 0.05V

[SET UP]
S-VHS SW : ON
INPUT SW : LINE

1. Connect a scope to TP8002.
2. Adjust VR8001 so that the level(w/o sync) becomes 1.5Vp-p +/- 0.05V as shown in Figure E87.

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	TP8002
ADJ.	VR8001
TAPE	COLOR BAR RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	1.5Vp-p +/- 0.05V

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to TP8002.
3. Adjust VR8001 so that the level(w/o sync) becomes 1.5Vp-p +/- 0.05V as shown in Figure E87.

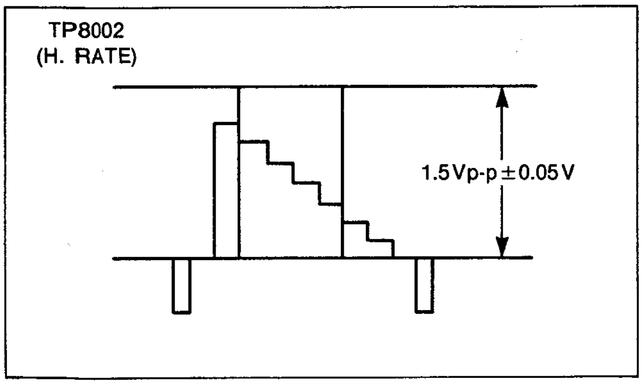


Figure E87

6-3-5-9. HUE PRESET ADJ.

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	TP8004
ADJ.	VR8215
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	BURST LEVEL = MINIMUM

[SET UP]
TBC SW : LOCAL
HUE VR : CENTER
INPUT SW : LINE

1. Connect a scope to TP8004.
2. Adjust VR8215 so that the burst level becomes minimum as shown in Figure E88.

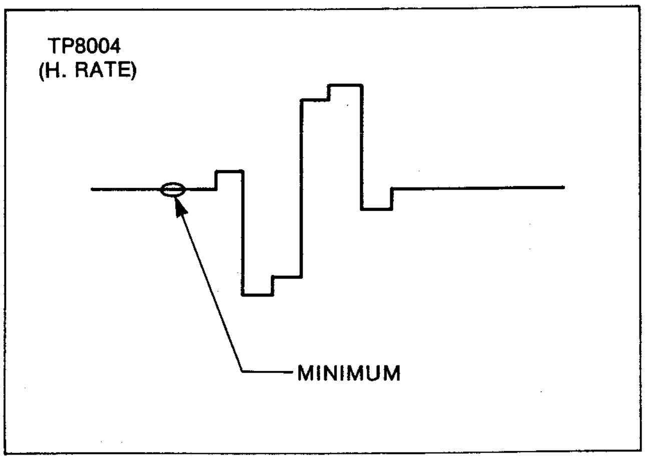


Figure E88

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	TP8004
ADJ.	VR8215
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	BURST LEVEL = MINIMUM

[SET UP]
HUE VR CENTER

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to TP8004.
3. Adjust VR8215 so that the burst level becomes minimum as shown in Figure E88.

6-3-5-10. OUTPUT BIAS ADJ.

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	TP8004
ADJ.	VR8002
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	A = B

[SET UP]

TBC SW : LOCAL
INPUT SW : LINE

1. Connect a scope to TP8004.
2. Adjust VR8002 so that the level of "A" and "B" become the same as shown in Figure E89.

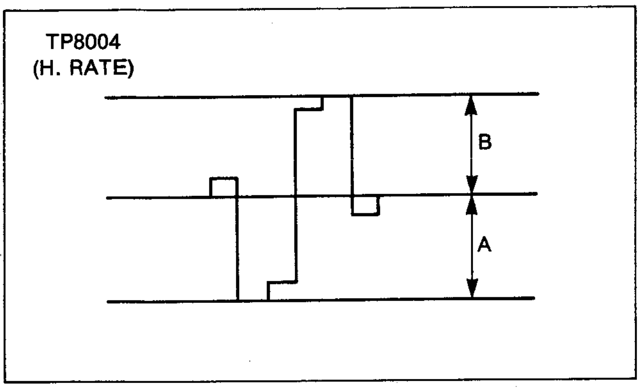


Figure E89

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	TP8004
ADJ.	VR8002
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	A = B

[SET UP]

TBC SW : LOCAL

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to TP8004.
3. Adjust VR8002 so that the level of "A" and "B" become the same as shown in Figure E89.

6-3-5-11. C INPUT LEVEL ADJ.

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	TP8004
ADJ.	VR8006
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	1.5Vp-p +/- 0.05V

[SET UP]

TBC SW : LOCAL
INPUT SW : LINE

1. Connect a scope to TP8004.
2. Adjust VR8006 so that the R-Y level becomes 1.5Vp-p +/- 0.05V as shown in Figure E90.

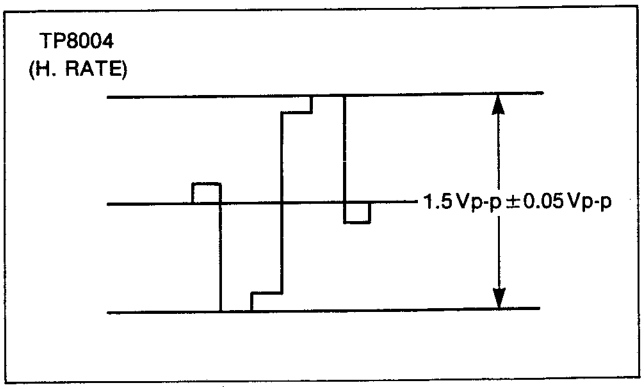


Figure E90

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	TP8004
ADJ.	VR8006
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	1.5Vp-p +/- 0.05V

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to TP8004.
3. Adjust VR8006 so that the R-Y level becomes 1.5Vp-p +/- 0.05V as shown in Figure E90.

6-3-5-12. R-Y AD LEVEL ADJ.

[NOTE]
This adjustment should be performed only after completion of 6-3-5-11. C Input Level Adj.

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	TP8006
ADJ.	VR8004
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	1.5Vp-p +/- 0.05V

[SET UP]
TBC SW : LOCAL
INPUT SW : LINE

1. Connect a scope to TP8006.
2. Adjust VR8004 so that the level becomes 1.5Vp-p +/- 0.05V as shown in Figure E90.

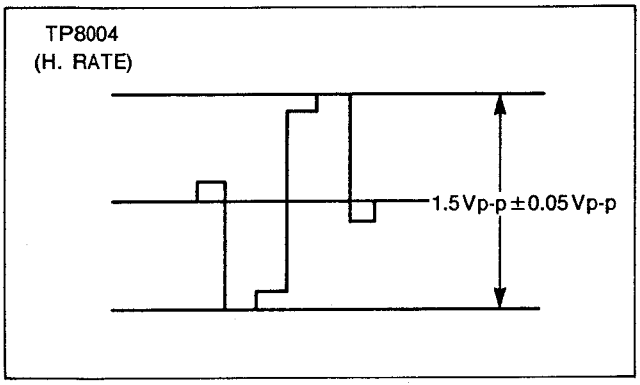


Figure E90

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	TP8006
ADJ.	VR8004
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	1.5Vp-p +/- 0.05V

[SET UP]
TBC SW : LOCAL

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to TP8006.
3. Adjust VR8004 so that the level becomes 1.5Vp-p +/- 0.05V as shown in Figure E90.

6-3-5-13. B-Y AD LEVEL ADJ.

[NOTE]
This adjustment should be performed only after completion of 6-3-5-11. C Input Level Adj.

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	TP8005
ADJ.	VR8003
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	1.1Vp-p +/- 0.05V

[SET UP]
TBC SW : LOCAL
INPUT SW : LINE

1. Connect a scope to TP8005.
2. Adjust VR8003 so that the level becomes 1.1Vp-p +/- 0.05V as shown in Figure E91.

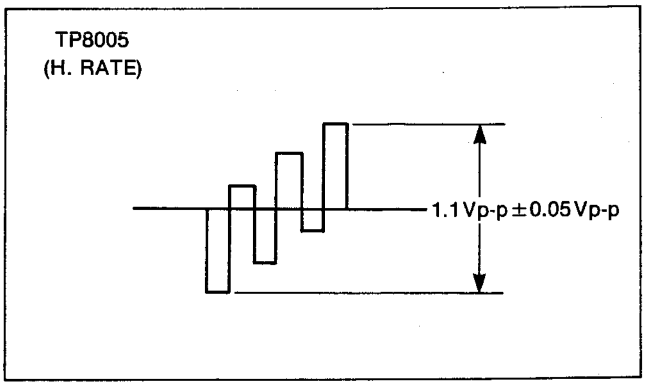


Figure E91

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	TP8005
ADJ.	VR8003
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	1.1Vp-p +/- 0.05V

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to TP8005.
3. Adjust VR8003 so that the level becomes 1.1Vp-p +/- 0.05V as shown in Figure E91.

6-3-5-14. SET UP ADJ.

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	TP8201
ADJ.	VR8214
TAPE	
INPUT SIGNAL	BLACK BURST SIGNAL (w/o SET UP)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	FIG. E92

[SET UP]
TBC SW : LOCAL
INPUT SW : LINE
SET UP VR : CENTER

1. Connect a scope to TP8201.
2. Adjust VR8214 so that the SET UP level becomes minimum as shown in Figure E92.

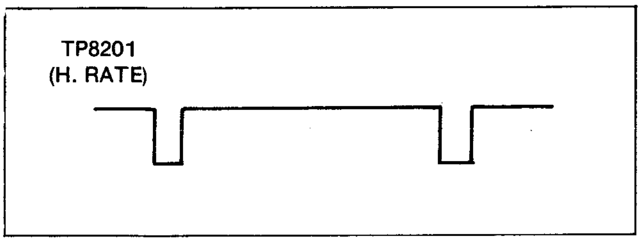


Figure E92

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	TP8201
ADJ.	VR8214
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	1.1Vp-p +/- 0.05V

1. Play back the black burst signal(w/o burst) other recorded tape by S-VHS mode.
2. Connect a scope to TP8201.
3. Adjust VR8214 so that the SET UP level becomes minimum as shown in Figure E92.

6-3-5-15. SYNC LEVEL ADJ.

[NOTE]
VIDEO OUT should be 75 ohm terminated.

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR8204
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	0.286Vp-p +/- 0.03V

[SET UP]
TBC SW : LOCAL
INPUT SW : LINE

1. Connect a scope to VIDEO OUT.
2. Adjust VR8204 so that the SYNC level becomes 0.286Vp-p +/- 0.03V as shown in Figure E93.

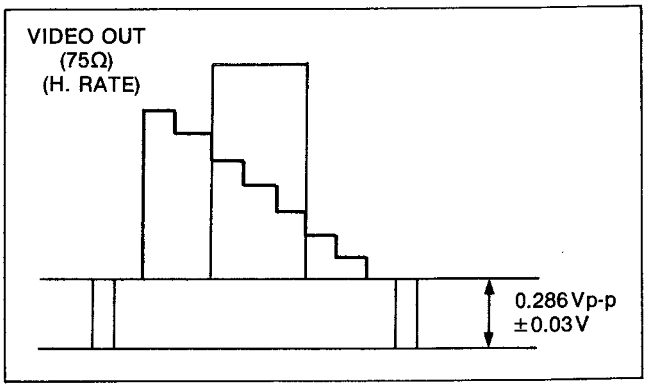


Figure E93

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR8204
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	0.286Vp-p +/- 0.03V

[SET UP]
TBC SW : LOCAL
IMAGE SW : NORMAL

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to VIDEO OUT.
3. Adjust VR8204 so that the SYNC level becomes 0.286Vp-p +/- 0.03V as shown in Figure E93.

6-3-5-16. Y LEVEL ADJ. (1)

[NOTE]

VIDEO OUT should be 75 ohm terminated.

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR8201
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE OR W.F.M.
SPEC.	0.714Vp-p +/- 0.07V

[SET UP]

TBC SW : LOCAL
INPUT SW : LINE
AGC SW : ON

1. Turn VR8451 on the TBC (2) C.B.A. to center portion.
2. Connect a scope (W.F.M.) to VIDEO OUT.
3. Adjust VR8201 so that the Y level becomes 0.714Vp-p +/- 0.07V as shown in Figure E94.

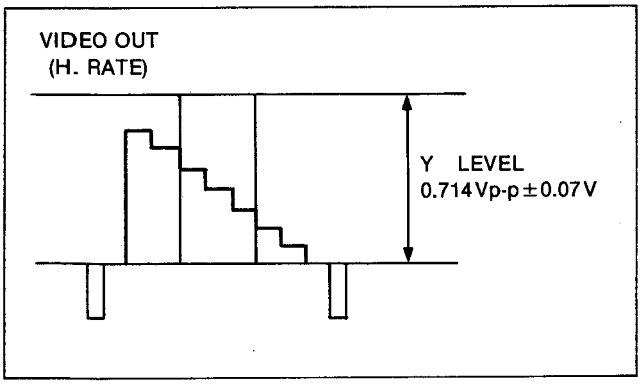


Figure E94

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR8201
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE OR W.F.M.
SPEC.	0.714Vp-p +/- 0.07V

[SET UP]

TBC SW : LOCAL

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Turn VR8451 on the TBC (2) C.B.A. to center portion.
3. Connect a scope (W.F.M.) to VIDEO OUT.
4. Adjust VR8201 so that the Y level becomes 0.714Vp-p +/- 0.07V as shown in Figure E94.

6-3-5-17. Y LEVEL ADJ. (2)

[NOTE]

This adjustment should be performed only after completion of 6-3-5-16. Y Level Adj. (1).

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR8451
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE OR W.F.M.
SPEC.	0.714Vp-p +/- 0.03V

[SET UP]

TBC SW : LOCAL
INPUT SW : LINE
AGC SW : ON
VIDEO LEVEL VR : CENTER

1. Connect a scope (W.F.M.) to VIDEO OUT.
2. Adjust VR8451 so that the Y level becomes 0.714p-p +/- 0.03V as shown in Figure E95.

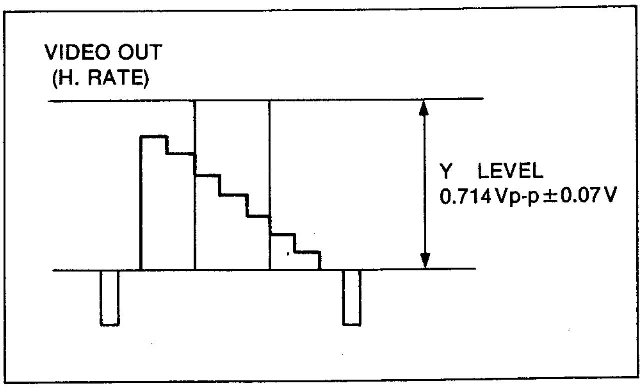


Figure E95

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR8451
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE OR W.F.M.
SPEC.	0.714Vp-p +/- 0.03V

[SET UP]

TBC SW : LOCAL
IMAGE SW : NORM

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope (W.F.M.) to VIDEO OUT.
3. Adjust VR8451 so that the Y level becomes 0.714Vp-p +/- 0.03V as shown in Figure E95.

6-3-5-18. CAD REFERENCE ADJ.

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	TP8202
ADJ.	VR8007
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	FIG. E96

[SET UP]
TBC SW : LOCAL
INPUT SW : LINE

1. Connect a scope to TP8202.
2. Adjust VR8007 so that the level becomes minimum as shown in Figure E96.

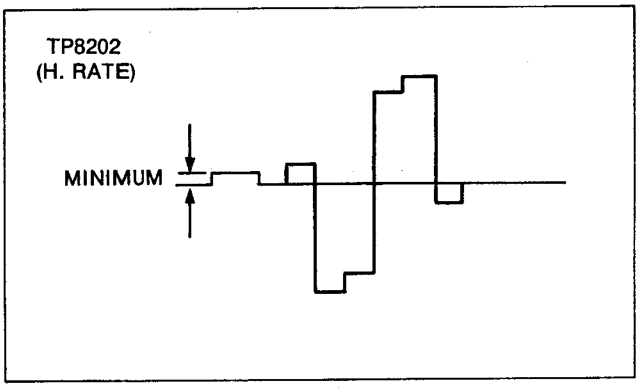


Figure E96

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	TP8202
ADJ.	VR8007
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	FIG. E96

[SET UP]
TBC SW : LOCAL

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to TP8202.
3. Adjust VR8007 so that the level becomes minimum as shown in Figure E96.

6-3-5-19. BURST WIDTH ADJ.

BOARD	TBC (1) C.B.A.
TP	TP8206
ADJ.	VR8202
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE) (AG-7750 only)
MODE	EJECT
M.EQ	OSCILLOSCOPE
SPEC.	9 CYCLE +/- 1 CYCLE (2.5us +/- 0.3us)

[SET UP]
TBC SW : LOCAL
INPUT SW : LINE (AG-7750 only)
S-VHS SW : ON (AG-7750 only)
IMAGE SW : NORM

1. Connect a scope to TP8206 and expand the burst portion.
2. Adjust VR8202 so that the cycle of burst becomes 9 +/- 1 cycle (2.5us +/- 0.3us) as shown in Figure E97.

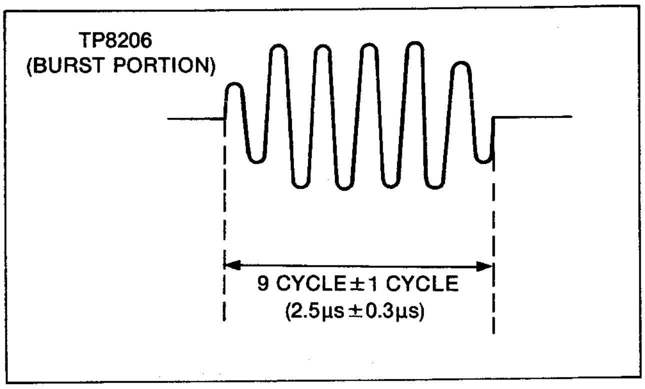


Figure E97

6-3-5-20. CARRIER LEAK ADJ. (1)

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	TP8205
ADJ.	VR8205
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	MINIMUM (LESS THAN 20mVp-p)

[SET UP]
TBC SW : LOCAL
INPUT SW : LINE

1. Connect a scope to TP8206.
2. Adjust VR8205 so that the carrier leak(3.58MHz) becomes minimum as shown in Figure E98.

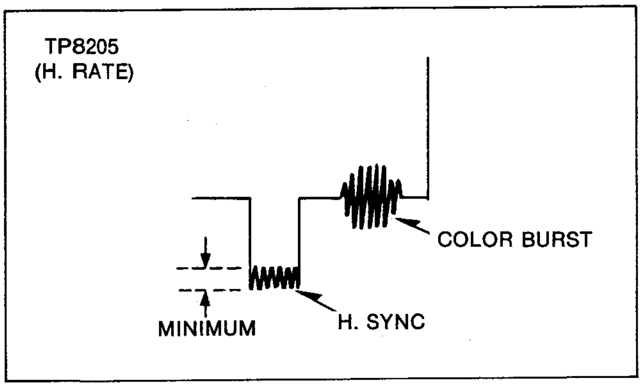


Figure E98

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	TP8205
ADJ.	VR8205
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	MINIMUM (LESS THAN 20mVp-p)

[SET UP]
TBC SW : LOCAL
IMAGE SW : NORM

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope to TP8206.
3. Adjust VR8205 so that the carrier leak(3.58MHz) becomes minimum as shown in Figure E98.

6-3-5-21. CARRIER LEAK ADJ. (2)

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	TP8205
ADJ.	VR8206, VR8207
TAPE	
INPUT SIGNAL	50% FLAT FIELD SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	MINIMUM (LESS THAN 20mVp-p)

[SET UP]
TBC SW : LOCAL
INPUT SW : LINE
Y-DNR : 2
C-DNR : 2

1. Connect a scope to TP8205.
2. Adjust VR8206 and VR8207 so that the carrier leak becomes minimum as shown in Figure E99.

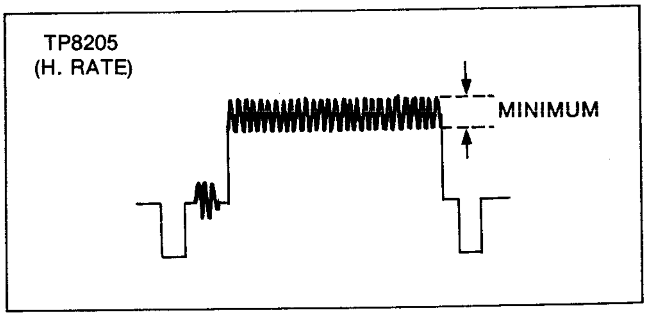


Figure E99

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	TP8205
ADJ.	VR8206, VR8207
TAPE	50% FLAT FIELD SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	MINIMUM (LESS THAN 20mVp-p)

[SET UP]
TBC SW : LOCAL
Y-DNR : 2
C-DNR : 2

1. Play back the 50% flat field signal recorded tape by S-VHS mode.
2. Connect a scope to TP8205.
3. Adjust VR8206 and VR8207 so that the carrier leak becomes minimum as shown in Figure E99.

6-3-5-22. CHROMA & BURST LEVEL ADJ.

[NOTE]

After this adjustment is finished, adjust 6-3-5-23. Chroma Vector Barance Adj., 6-3-5-24. Burst Phase Adj. and 6-3-5-25. Hue Chroma Burst Level Adj.

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	TP8205
ADJ.	VR8210(BURST), VR8212(CHROMA)
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	BURST : 0.35Vp-p +/- 0.1V CHROMA : 0.8Vp-p +/- 0.1V

[SET UP]

TBC SW : LOCAL
INPUT SW : LINE
VIDEO LEVEL VR : CENTER
CHROMA LEVEL VR : CENTER

1. Turn VR8452 on the T.B.C. (2) C.B.A. to center position.
2. Connect a scope to TP8205.
3. Adjust VR8210 so that the burst level becomes 0.35Vp-p +/- 0.1V as shown in Figure E100.
4. Adjust VR8121 so that the chroma level becomes 0.8Vp-p +/- 0.1V as shown in Figure E100.

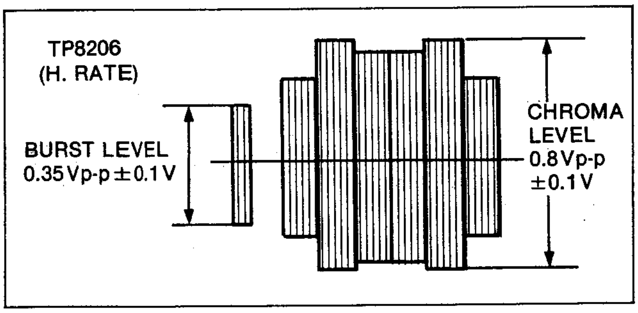


Figure E100

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	TP8205
ADJ.	VR8210(BURST), VR8212(CHROMA)
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	BURST : 0.35Vp-p +/- 0.1V CHROMA : 0.8Vp-p +/- 0.1V

[SET UP]

TBC SW : LOCAL
IMAGE SW : NORM
VIDEO LEVEL VR : CENTER
CHROMA LEVEL VR : CENTER

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Turn VR8452 on the T.B.C. (2) C.B.A. to center position.
3. Connect a scope to TP8205.
4. Adjust VR8210 so that the burst level becomes 0.35Vp-p +/- 0.1V as shown in Figure E100.
5. Adjust VR8121 so that the chroma level becomes 0.8Vp-p +/- 0.1Vas shown in Figure E100.

6-3-5-23. CHROMA VECTOR BALANCE ADJ.

[NOTE]

After this adjustment is finished, Adjust 6-3-5-24. Burst Phase Adj. and 6-3-5-25. Hue Chroma Burst Adj.

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR8217(QUAD),VR8208(B-Y)
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCILLOSCOPE
SPEC.	FIG. E101

[SET UP]

TBC SW : LOCAL
INPUT SW : LINE
AGC SW : ON

1. Connect the vectorscope to VIDEO OUT.
2. Adjust VR8217 and VR8208 so that the all vectors (w/o burst) become correct position as shown in Figure E101.

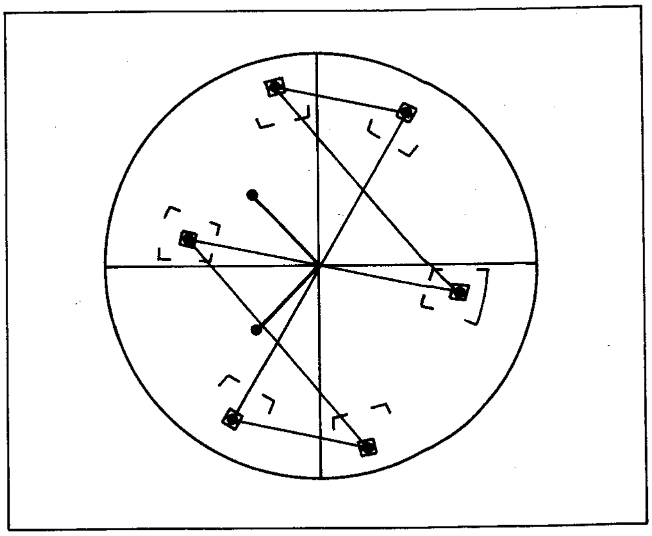


Figure E101

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR8217(QUAD), VR8208(B-Y)
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCILLOSCOPE
SPEC.	FIG. E101

[SET UP]
TBC SW : LOCAL

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect the vectorscope to VIDEO OUT.
3. Adjust VR8217 and VR8208 so that the all vectors (w/o burst) become correct position as shown in Figure E101.

6-3-5-24. BURST PHASE ADJ.

[NOTE]
After this adjustment is finished, adjust 6-3-5-25. Hue Chroma Burst Level Adj.

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR8211
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	VECTORSCOPE
SPEC.	FIG. E102

[SET UP]
TBC SW : LOCAL
INPUT SW : LINE
AGC SW : ON
IMAGE SW : EDIT

1. Connect the vectorscope to VIDEO OUT.
2. Adjust the vectorscope so that the burst signal becomes 180°.
3. Adjust VR8211 so that the vector of red signal becomes as shown in Figure E102.

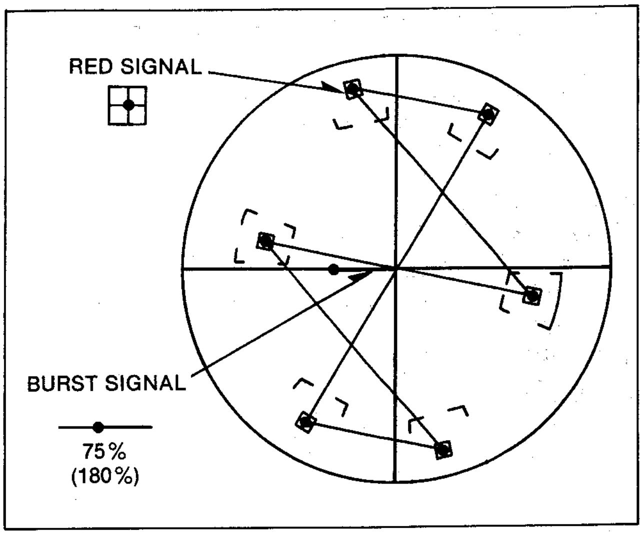


Figure E102

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR8211
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	VECTORSCOPE
SPEC.	FIG. E102

[SET UP]
TBC SW : LOCAL
IMAGE SW : EDIT

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect the vectorscope to VIDEO OUT.
3. Adjust the vectorscope so that the burst signal becomes 180°.
4. Adjust VR8211 so that the vector of red signal becomes as shown in Figure E102.

6-3-5-25. HUE CHROMA BURST LEVEL ADJ.

[NOTE]

This adjustment should be performed only after completion of 6-3-5-22. Chroma & Burst Level Adj., 6-3-5-23. Chroma Vector Balance Adj. and 6-3-5-24. Burst Phase Adj.

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR8215, VR8452, VR8210
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	VECTORSCOPE
SPEC.	FIG. E102

[SET UP]

IMAGE SW : NORM
INPUT SW : LINE
AGC SW : ON
VIDEO LEVEL VR : CENTER
SET UP VR : CENTER
CHROMA LEVEL VR : CENTER
HUE VR : CENTER

1. Set the TBC SW to BYPASS mode.
2. Adjust the phase of vectorscope so that the vector of red signal becomes correct position as shown in Figure E102.
3. Set the TBC SW to LOCAL mode.
4. Adjust VR8215 and VR8452 so that the vector of red signal becomes correct position as shown in Figure E102.
5. Adjust VR8210 so that the level of burst signal becomes correct as shown in Figure E102.

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR8215, VR8452, VR8210
TAPE	COLOR BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	VECTORSCOPE
SPEC.	FIG. E102

[SET UP]

IMAGE SW : NORM
VIDEO LEVEL VR : CENTER
SET UP VR : CENTER
CHROMA LEVEL VR : CENTER
HUE VR : CENTER

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Set the TBC SW to BYPASS mode.
3. Adjust the phase of vectorscope so that the vector of red signal becomes correct position as shown in Figure E102.
4. Set the TBC SW to LOCAL mode.
5. Adjust VR8215 and VR8452 so that the vector of red signal becomes correct position as shown in Figure E102.
6. Adjust VR8210 so that the level of burst signal becomes correct as shown in Figure E102.

6-3-5-26. TBC Y/C DELAY ADJ.

A. FOR AG-7750

BOARD	TBC (1) C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR8213, Y/C DELAY VR
TAPE	
INPUT SIGNAL	SIN^2 PULSE & BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCOLLOSCOPE OR W.F.M.
SPEC.	0 us+/- 20us

[SET UP]
INPUT SW : LINE
IMAGE SW : NORM

1. Connect a scope (W.F.M.) to VIDEO OUT and expand the "A" portion as shown in Figure E103.
2. Adjust VR8213 and Y/C DELAY VR so that the level "B (Figure E104)" becomes the same on the BYPASS mode and LOCAL mode.

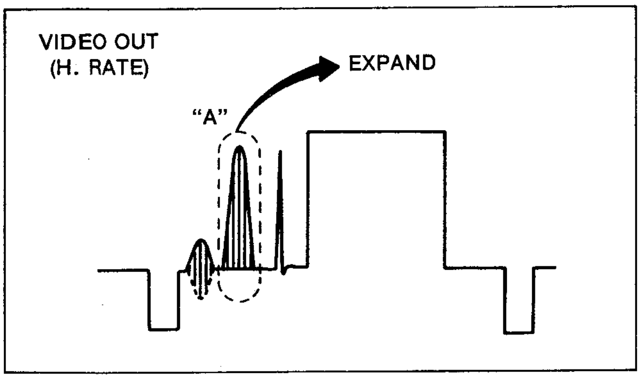


Figure E103

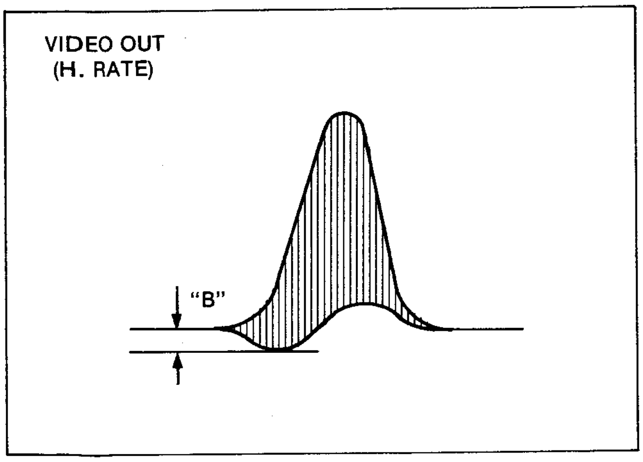


Figure E104

B. FOR AG-7650

BOARD	TBC (1) C.B.A.
TP	VIDEO OUT (75 ohm)
ADJ.	VR8213, Y/C DELAY VR
TAPE	SIN2 PULSE & BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCOLLOSCOPE OR W.F.M.
SPEC.	0us +/- 20us

[SET UP]
IMAGE SW : NORM

1. Play back the sin^2 pulse & bar signal recorded tape by S-VHS mode.
2. Connect a scope (W.F.M.) to VIDEO OUT and expand the "A" portion as shown in Figure E103.
3. Adjust VR8213 and Y/C DELAY VR so that the level "B (Figure E104)" becomes the same on the BYPASS mode and LOCAL mode.

6-3-5-27. VIDEO PHASE ADJ.

A. FOR AG-7750

BOARD	TBC (3) C.B.A.
TP	VIDEO OUT
ADJ.	VR8501
TAPE	
INPUT SIGNAL	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M.EQ	OSCOLLOSCOPE OR W.F.M.
SPEC.	FIG. E105

[SET UP]
INPUT SW : LINE

1. Connect a scope (W.F.M.) to VIDEO OUT.
2. Adjust VR8501 so that the phases of the "C" portion (Figure E105) becomes the same on the BYPASS mode and LOCAL mode.

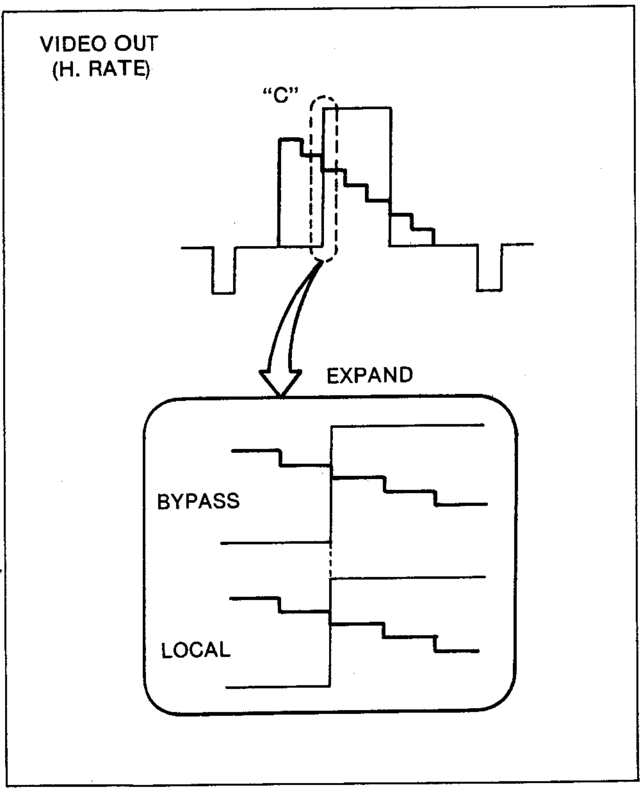


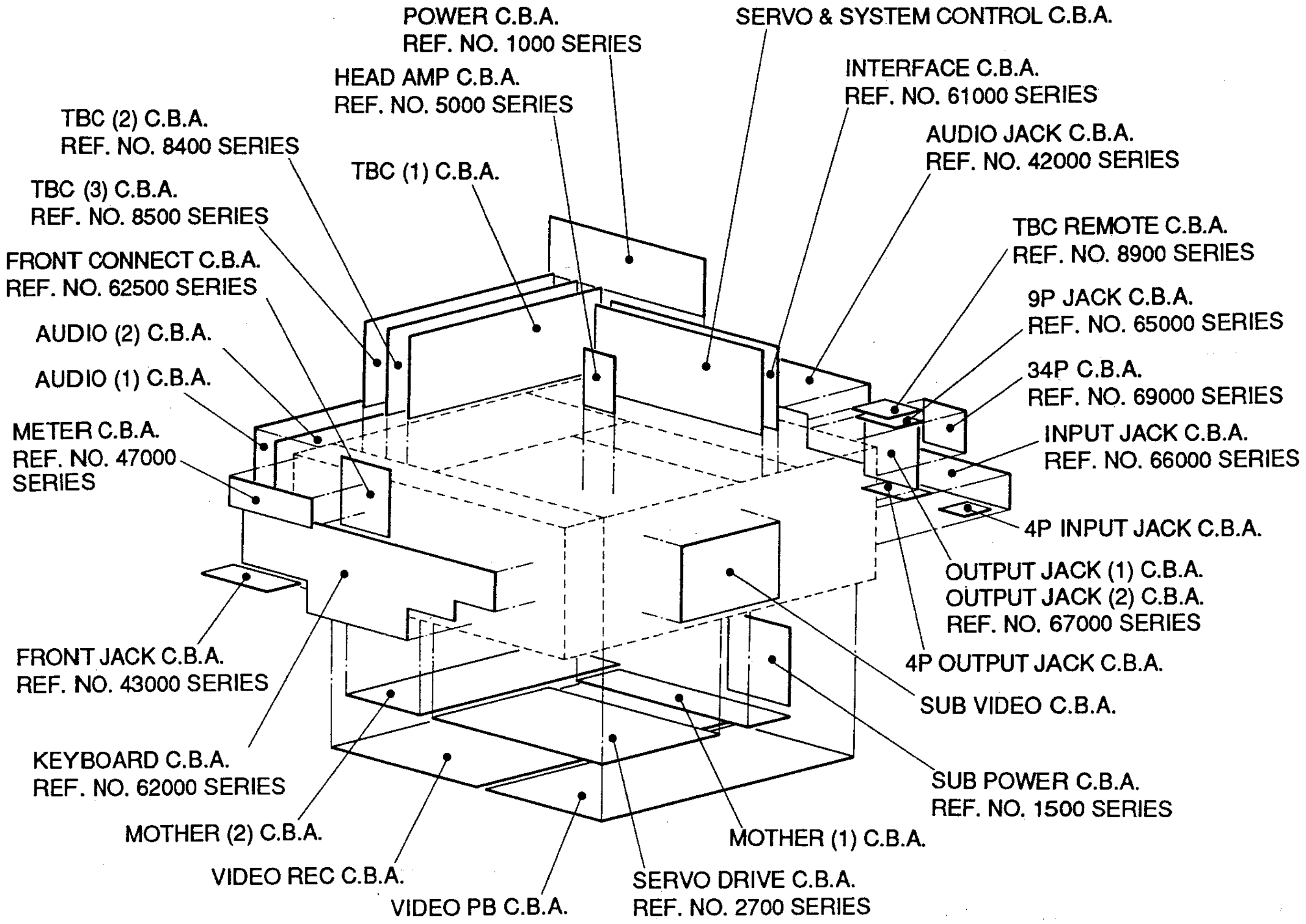
Figure E105

B. FOR AG-7650

BOARD	TBC (3) C.B.A.
TP	VIDEO OUT
ADJ.	VR8501
TAPE	SIN^2 PULSE & BAR SIGNAL RECORDED TAPE (S-VHS)
INPUT SIGNAL	
MODE	PLAY
M.EQ	OSCOLLOSCOPE OR W.F.M.
SPEC.	FIG. E105

1. Play back the color bar signal recorded tape by S-VHS mode.
2. Connect a scope (W.F.M.) to VIDEO OUT.
3. Adjust VR8501 so that the phases of the "C" portion (Figure E105) becomes the same on the BYPASS mode and LOCAL mode.

CIRCUIT BOARD LAYOUT


POWER C.B.A.
REF. NO. 1000 SERIES
SERVO & SYSTEM CONTROL C.B.A.
HEAD AMP C.B.A.
REF. NO. 5000 SERIES
INTERFACE C.B.A.
REF. NO. 61000 SERIES
TBC (2) C.B.A.
REF. NO. 8400 SERIES
AUDIO JACK C.B.A.
REF. NO. 42000 SERIES
TBC (1) C.B.A.
TBC (3) C.B.A.
REF. NO. 8500 SERIES
TBC REMOTE C.B.A.
REF. NO. 8900 SERIES
FRONT CONNECT C.B.A.
REF. NO. 62500 SERIES
9P JACK C.B.A.
REF. NO. 65000 SERIES
AUDIO (2) C.B.A.
34P C.B.A.
REF. NO. 69000 SERIES
AUDIO (1) C.B.A.
INPUT JACK C.B.A.
REF. NO. 66000 SERIES
METER C.B.A.
REF. NO. 47000 SERIES
4P INPUT JACK C.B.A.
OUTPUT JACK (1) C.B.A.
OUTPUT JACK (2) C.B.A.
REF. NO. 67000 SERIES
FRONT JACK C.B.A.
REF. NO. 43000 SERIES
4P OUTPUT JACK C.B.A.
SUB VIDEO C.B.A.
KEYBOARD C.B.A.
REF. NO. 62000 SERIES
SUB POWER C.B.A.
REF. NO. 1500 SERIES
MOTHER (2) C.B.A.
MOTHER (1) C.B.A.
VIDEO REC C.B.A.
SERVO DRIVE C.B.A.
REF. NO. 2700 SERIES
VIDEO PB C.B.A.

VIDEO REC C.B.A.

Y/C SECTION	: REF. NO. 30000 SERIES
LUMINANCE SECTION	: REF. NO. 33000 SERIES
RF SECTION	: REF. NO. 35000 SERIES
CHROMINANCE SECTION	: REF. NO. 38000 SERIES

VIDEO PB C.B.A.

LUMINANCE SECTION	: REF. NO. 33500 SERIES
	: REF. NO. 33700 SERIES
	: REF. NO. 33800 SERIES
	: REF. NO. 34000 SERIES
	: REF. NO. 34100 SERIES
RF SECTION	: REF. NO. 35700 SERIES
	: REF. NO. 35900 SERIES
CHROMINANCE SECTION	: REF. NO. 38500 SERIES
	: REF. NO. 38700 SERIES

SUB VIDEO C.B.A.

FLYING ERASE SECTION	: REF. NO. 35400 SERIES
SUB VIDEO SECTION	: REF. NO. 35500 SERIES

TBC (1) C.B.A.

DECODER SECTION	: REF. NO. 8000 SERIES
ENCODER SECTION	: REF. NO. 8200 SERIES

SERVO & SYSTEM CONTROL C.B.A.

CYLINDER SERVO SECTION	: REF. NO. 2000 SERIES
CAPSTAN SERVO SECTION	: REF. NO. 2200 SERIES
CONTROL AMP SECTION	: REF. NO. 2300 SERIES
REEL SERVO SECTION	: REF. NO. 2500 SERIES
SYSTEM CONTROL SECTION	: REF. NO. 60000 SERIES
SUB SYSTEM CONTROL SECTION	: REF. NO. 60500 SERIES

AUDIO (1) C.B.A.

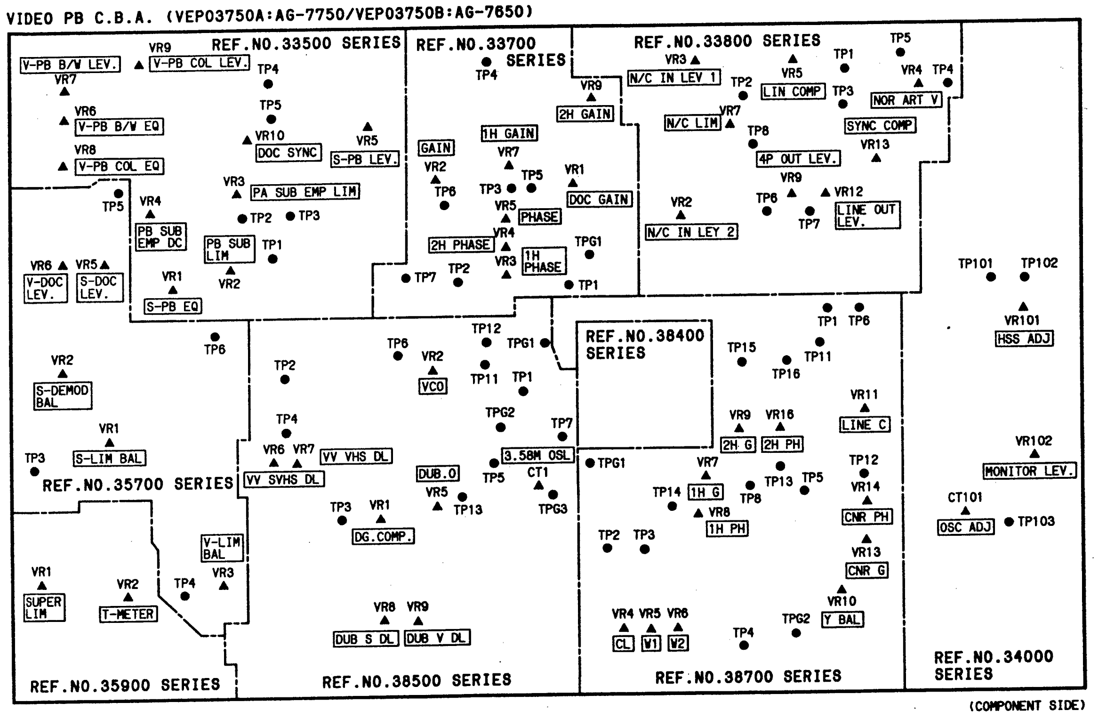
NORMAL AUDIO SECTION	: REF. NO. 40000 SERIES
AUDIO CONTROL SECTION	: REF. NO. 40500 SERIES

AUDIO (2) C.B.A.

TIME CODE SECTION	: REF. NO. 41000 SERIES
Hi-Fi AUDIO SECTION	: REF. NO. 41500 SERIES
Hi-Fi HEAD AMP SECTION	: REF. NO. 41600 SERIES

LOCATION OF TEST POINTS & CONTROLS

VIDEO PB C.B.A. (VEP03750A:AG-7750/VEP03750B:AG-7650)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REF.NO.33700 SERIES
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REF.NO.38400 SERIES
REF.NO.35700 SERIES
REF.NO.35900 SERIES
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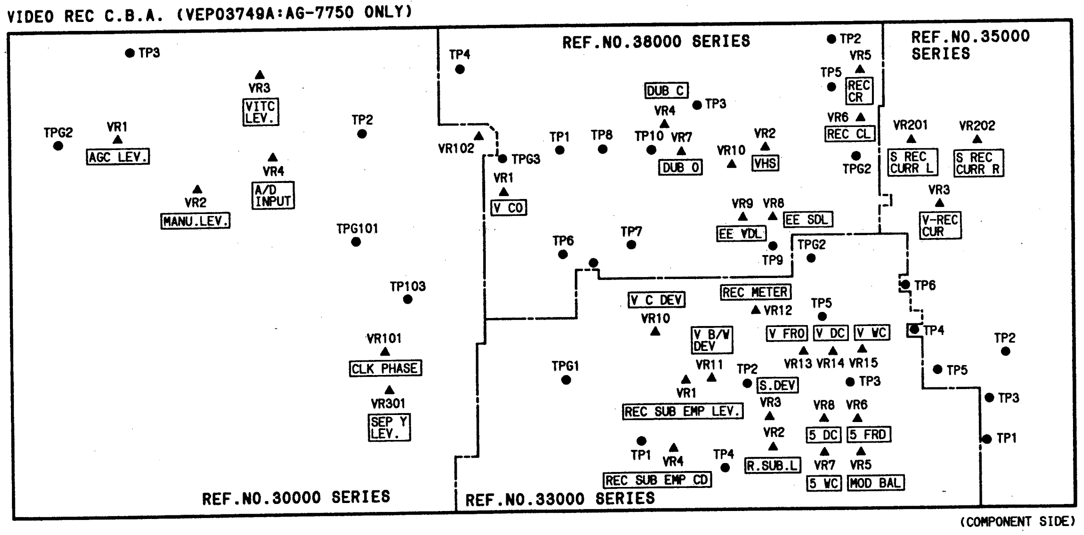
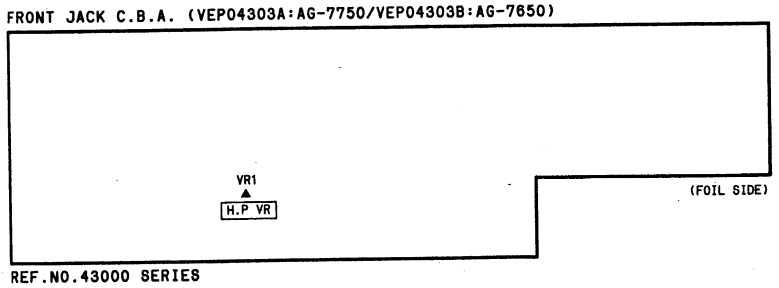
REF.NO.38700 SERIES
REF.NO.34000 SERIES
V-PB B/W LEV.
V-PB COL LEV.
V-PB B/W EQ
V-PB COL EQ
DOC SYNC
S-PB LEV.
PA SUB EMP LIM
PB SUB EMP DC
PB SUB LIM
V-DOC LEV.
S-DOC LEV.
S-PB EQ
GAIN
1H GAIN
PHASE
2H PHASE
1H PHASE
2H GAIN
DOC GAIN
N/C IN LEV 1
N/C LIM
N/C IN LEV 2
LIN COMP
NOR ART V
SYNC COMP
4P OUT LEV.
LINE OUT LEV.
HSS ADJ
S-DEMOD BAL
S-LIM BAL
VV VHS DL
VV SVHS DL
VCO
DUB.O
DG.COMP.
3.58M OSL
2H G
2H PH
1H G
1H PH
LINE C
CNR PH
CNR G
Y BAL
CL
W1
W2
MONITOR LEV.
OSC ADJ
V-LIM BAL
SUPER LIM
T-METER
DUB S DL
DUB V DL
TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP11 TP12 TP13 TP14 TP15 TP16
TPG1 TPG2 TPG3
TP101 TP102 TP103
VR1 VR2 VR3 VR4 VR5 VR6 VR7 VR8 VR9 VR10 VR11 VR12 VR13 VR14 VR15 VR16
VR101 VR102
CT1 CT101
(COMPONENT SIDE)

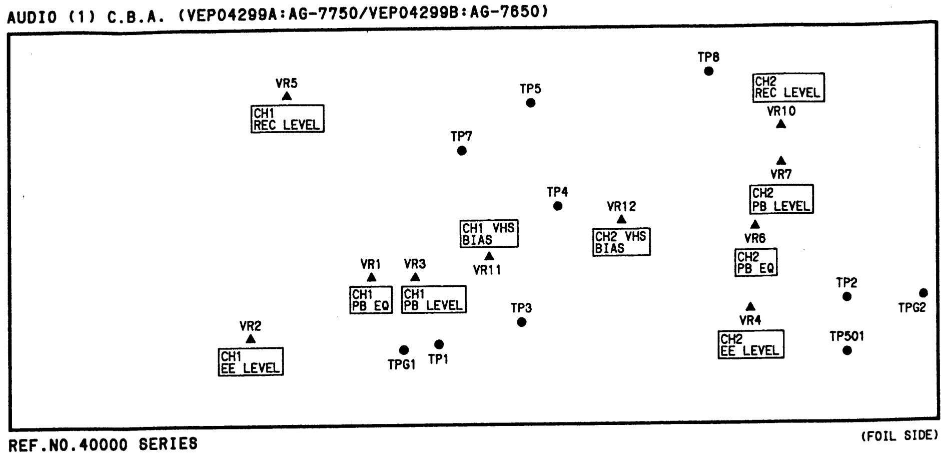
VIDEO REC C.B.A. (VEP03749A:AG-7750 ONLY)


REF.NO.38000 SERIES
REF.NO.35000 SERIES
REF.NO.30000 SERIES
REF.NO.33000 SERIES
AGC LEV.
VITC LEV.
A/D INPUT
MANU.LEV.
CLK PHASE
SEP Y LEV.
DUB C
DUB O
VHS
V CO
REC CR
REC CL
S REC CURR L
S REC CURR R
V-REC CUR
EE VDL
EE SDL
REC METER
V C DEV
V B/W DEV
V FRQ
V DC
V WC
S.DEV
REC SUB EMP LEV.
REC SUB EMP CD
R.SUB.L
S DC
S FRQ
S WC
MOD BAL
TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10
TPG1 TPG2 TPG3 TPG101
TP103
VR1 VR2 VR3 VR4 VR5 VR6 VR7 VR8 VR9 VR10 VR11 VR12 VR13 VR14 VR15
VR101 VR102 VR201 VR202 VR301
(COMPONENT SIDE)

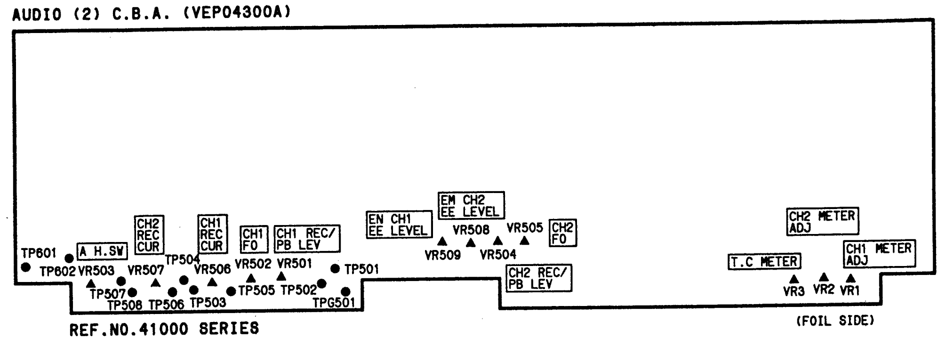
FRONT JACK C.B.A. (VEP04303A:AG-7750/VEP04303B:AG-7650)


VR1
H.P VR
(FOIL SIDE)
REF.NO.43000 SERIES

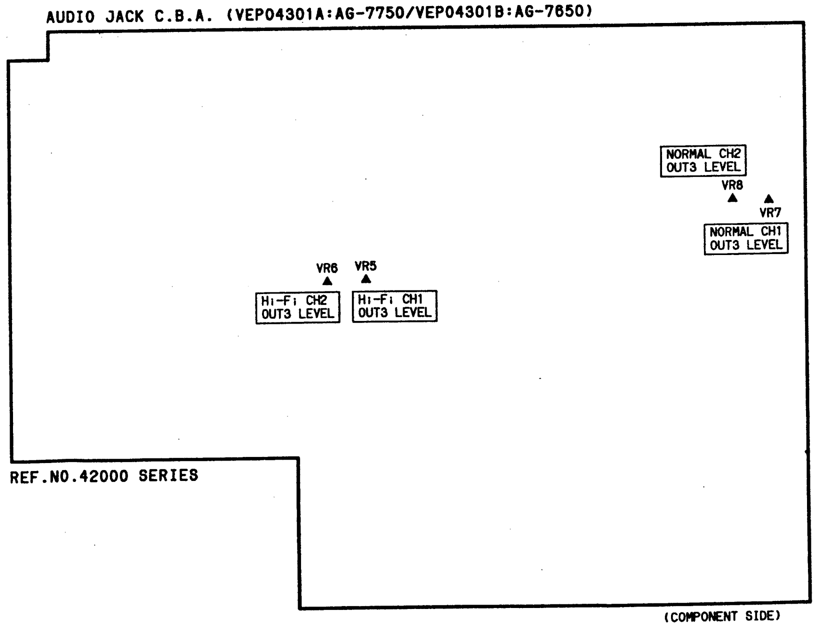
AUDIO (1) C.B.A. (VEP04299A:AG-7750/VEP04299B:AG-7650)


CH1 REC LEVEL
CH2 REC LEVEL
CH2 PB LEVEL
CH2 PB EQ
CH1 VHS BIAS
CH2 VHS BIAS
CH1 PB EQ
CH1 PB LEVEL
CH1 EE LEVEL
CH2 EE LEVEL
TP1 TP2 TP3 TP4 TP5 TP7 TP8
TPG1 TPG2
TP501
VR1 VR2 VR3 VR4 VR5 VR6 VR7 VR10 VR11 VR12
REF.NO.40000 SERIES
(FOIL SIDE)

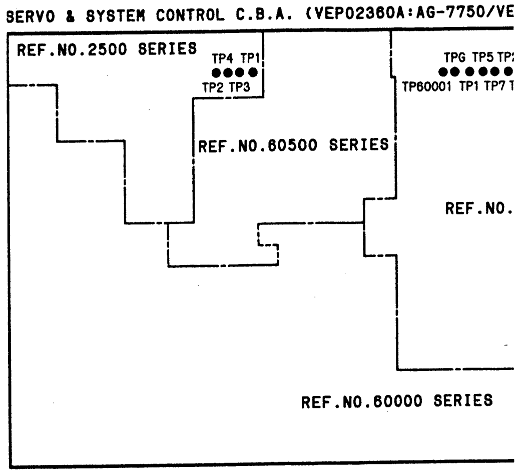
AUDIO (2) C.B.A. (VEP04300A)


A H.SW
CH2 REC CUR
CH1 REC CUR
CH1 FO
CH1 REC/ PB LEV
EN CH1 EE LEVEL
EM CH2 EE LEVEL
CH2 FO
CH2 REC/ PB LEV
CH2 METER ADJ
T.C METER
CH1 METER ADJ
TP601 TP602
TP501 TP502 TP503 TP504 TP505 TP506 TP507 TP508
TPG501
VR501 VR502 VR503 VR504 VR505 VR506 VR507 VR508 VR509
VR1 VR2 VR3
REF.NO.41000 SERIES
(FOIL SIDE)

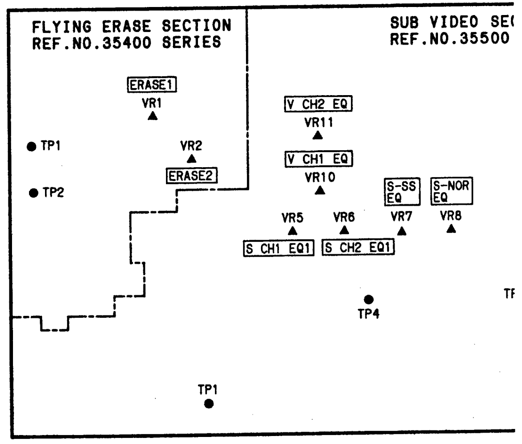
AUDIO JACK C.B.A. (VEP04301A:AG-7750/VEP04301B:AG-7650)


NORMAL CH2 OUT3 LEVEL
VR8
VR7
NORMAL CH1 OUT3 LEVEL
VR6 VR5
Hi-Fi CH2 OUT3 LEVEL
Hi-Fi CH1 OUT3 LEVEL
REF.NO.42000 SERIES
(COMPONENT SIDE)

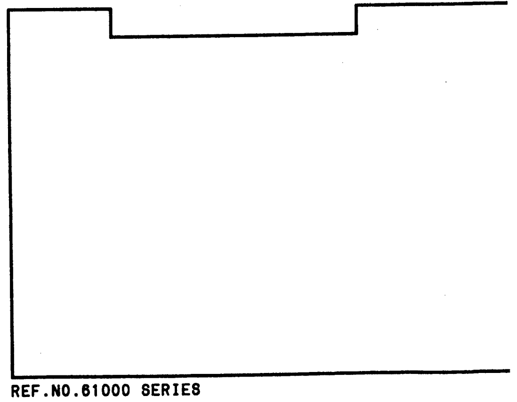
SERVO & SYSTEM CONTROL C.B.A. (VEP02360A:AG-7750/VE


REF.NO.2500 SERIES
TP4 TP1
TP2 TP3
TPG TP5 TP
TP60001 TP1 TP7
REF.NO.60500 SERIES
REF.NO.
REF.NO.60000 SERIES

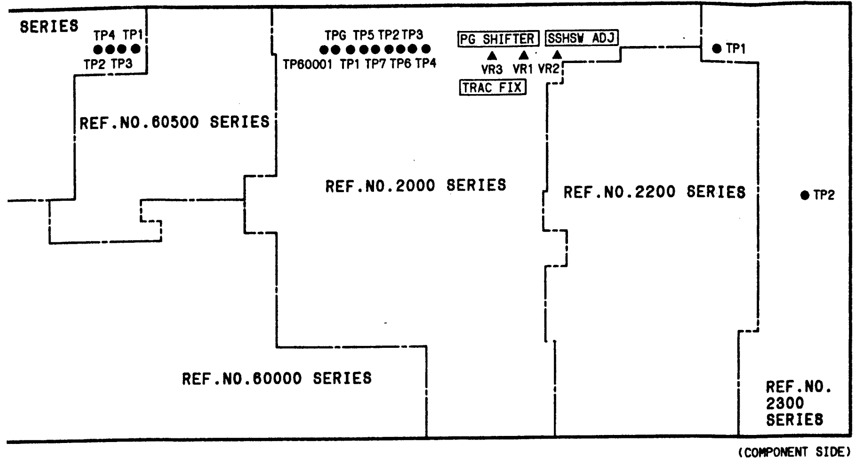
SUB VIDEO C.B.A. (VEP03751A:AG-7750/VEP03751B:AG-7


FLYING ERASE SECTION REF.NO.35400 SERIES
SUB VIDEO SE
REF.NO.35500
ERASE1
VR1
VR2
ERASE2
TP1
TP2
V CH2 EQ
VR11
V CH1 EQ
VR10
S-SS EQ
S-NOR EQ
VR5 VR6 VR7 VR8
S CH1 EQ1
S CH2 EQ1
TP4
TP1

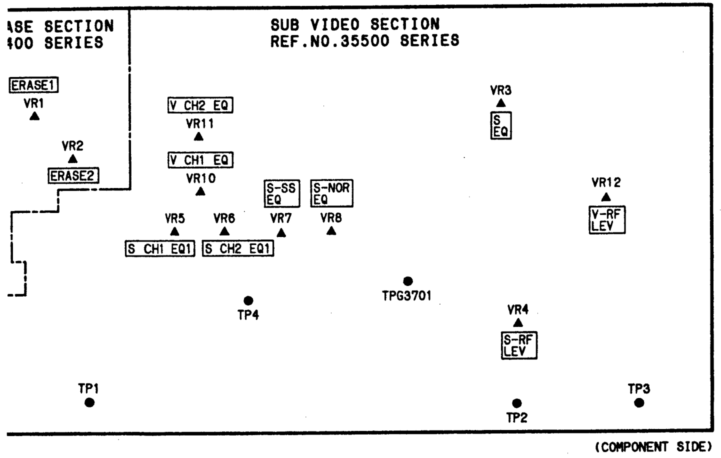
INTERFACE C.B.A. (VEP06655)


REF.NO.61000 SERIES

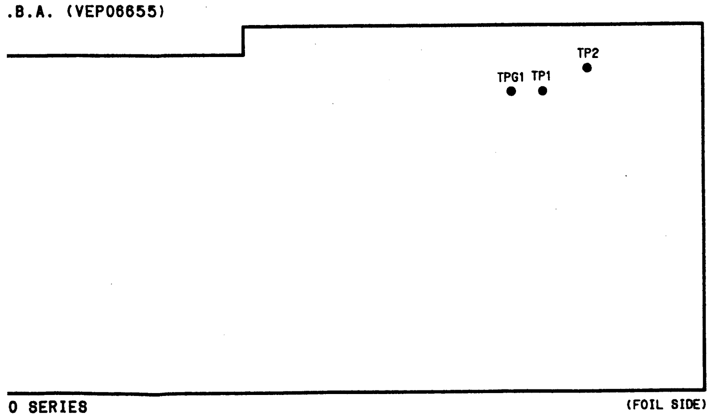
EM CONTROL C.B.A. (VEP02360A:AG-7750/VEP02360B:AG-7650)


SERIES
TP4 TP1
TP2 TP3
TPG TP5 TP2 TP3
TP60001 TP1 TP7 TP6 TP4
PG SHIFTER
SSHSW ADJ
VR3 VR1 VR2
TRAC FIX
TP1
REF.NO.60500 SERIES
REF.NO.2000 SERIES
REF.NO.2200 SERIES
TP2
REF.NO.60000 SERIES
REF.NO. 2300 SERIES
(COMPONENT SIDE)

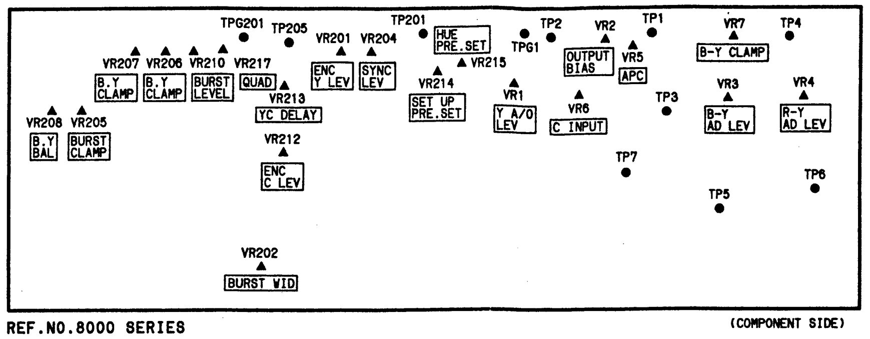
B.A. (VEP03751A:AG-7750/VEP03751B:AG-7650)


ASE SECTION
400 SERIES
SUB VIDEO SECTION
REF.NO.35500 SERIES
ERASE1
VR1
VR2
ERASE2
V CH2 EQ
VR11
V CH1 EQ
VR10
S-SS EQ
S-NOR EQ
VR5 VR6 VR7 VR8
S CH1 EQ1
S CH2 EQ1
VR3
S EQ
VR12
V-RF LEV
TP4
TPG3701
VR4
S-RF LEV
TP1
TP2
TP3
(COMPONENT SIDE)

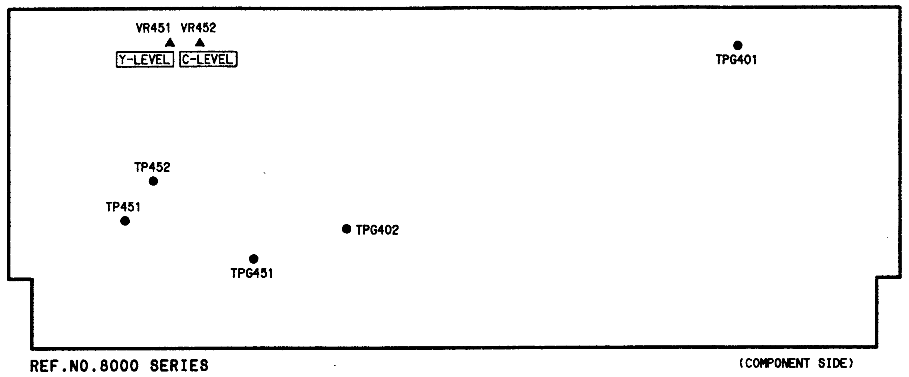
.B.A. (VEP06655)


TP2
TPG1 TP1
0 SERIES
(FOIL SIDE)

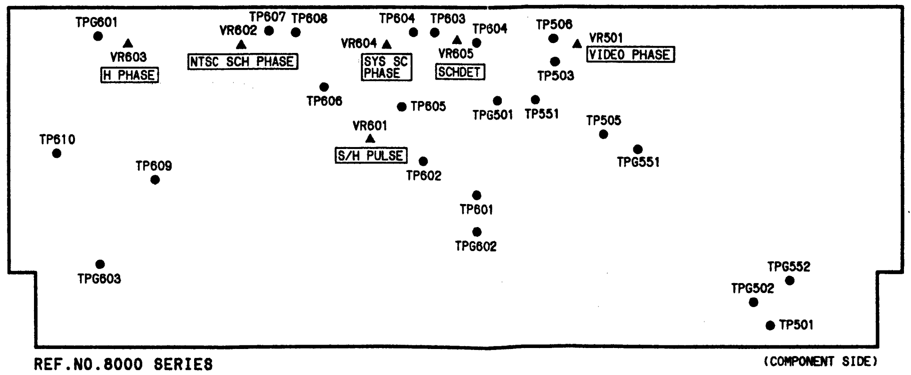
TBC (1) C.B.A. (VEP08135A)


TPG201
TP205
VR201 VR204
TP201
HUE PRE.SET
TP2
TPG1
VR2
TP1
VR7
TP4
VR207 VR206 VR210 VR217
B.Y CLAMP
B.Y CLAMP
BURST LEVEL
QUAD
VR213
YC DELAY
ENC Y LEV
SYNC LEV
VR215
VR214
SET UP PRE.SET
OUTPUT BIAS
VR5
APC
B-Y CLAMP
VR1
Y A/D LEV
VR6
C INPUT
TP3
VR3
B-Y AD LEV
VR4
R-Y AD LEV
VR208 VR205
B.Y BAL
BURST CLAMP
VR212
ENC C LEV
TP7
TP5
TP6
VR202
BURST WID
REF.NO.8000 SERIES
(COMPONENT SIDE)

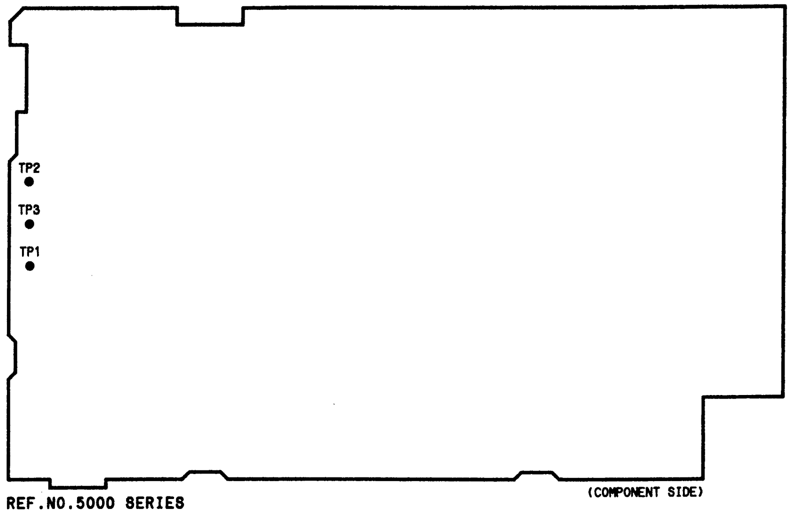
TBC (2) C.B.A. (VEP08136A)


VR451 VR452
Y-LEVEL
C-LEVEL
TPG401
TP452
TP451
TPG402
TPG451
REF.NO.8000 SERIES
(COMPONENT SIDE)

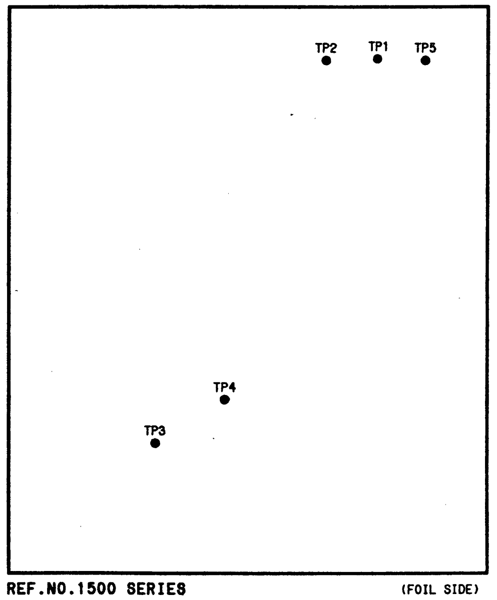
TBC (3) C.B.A. (VEP08137A)


TPG601
VR603
H PHASE
TP607 TP608
VR602
NTSC SCH PHASE
TP604 TP603
VR604
SYS SC PHASE
TP604
VR605
SCHDET
TP506
VR501
VIDEO PHASE
TP503
TP606
TP605
TPG501 TP551
TP505
VR601
S/H PULSE
TP610
TP609
TP602
TPG551
TP601
TPG602
TPG603
TPG552
TPG502
TP501
REF.NO.8000 SERIES
(COMPONENT SIDE)

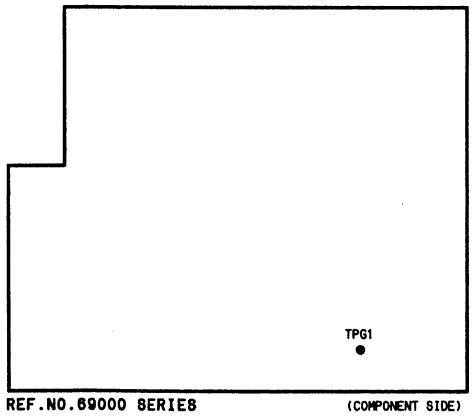
HEAD AMP C.B.A. (VEP05155A:AG-7750/VEP05155B:AG-7650)


TP2
TP3
TP1
REF.NO.5000 SERIES
(COMPONENT SIDE)

SUB POWER C.B.A. (VEP01429A)


TP2 TP1 TP5
TP4
TP3
REF.NO.1500 SERIES
(FOIL SIDE)

34P C.B.A. (VEP06665A:AG-7750/VEP06665B:AG-7650)


TPG1
REF.NO.69000 SERIES
(COMPONENT SIDE)

Section 7

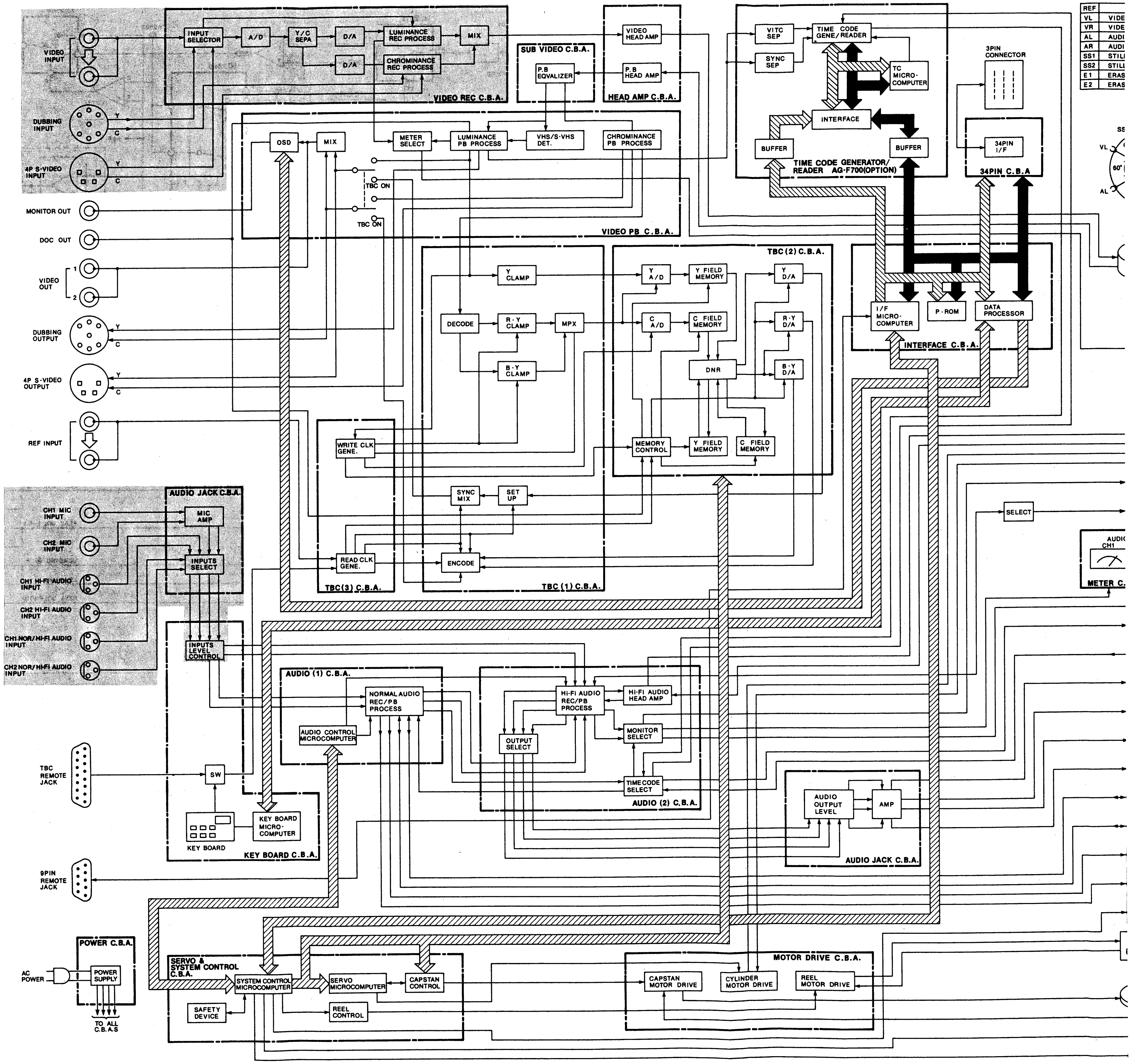
BLOCK DIAGRAMS

CONTENTS

Overall Block Diagram 7-3
System Control & Reel Servo Block Diagram 7-4
Servo Block Diagram 7-5
Interface Block Diagram 7-6
Video REC Overall Block Diagram 7-6
Video PB Overall Block Diagram 7-6
Video REC Block Diagram 7-7
Video PB Block Diagram 7-8
TBC Block Diagram 7-9
Normal Audio Block Diagram 7-10
Hi-Fi Audio Block Diagram 7-11
Key Board Block Diagram 7-12

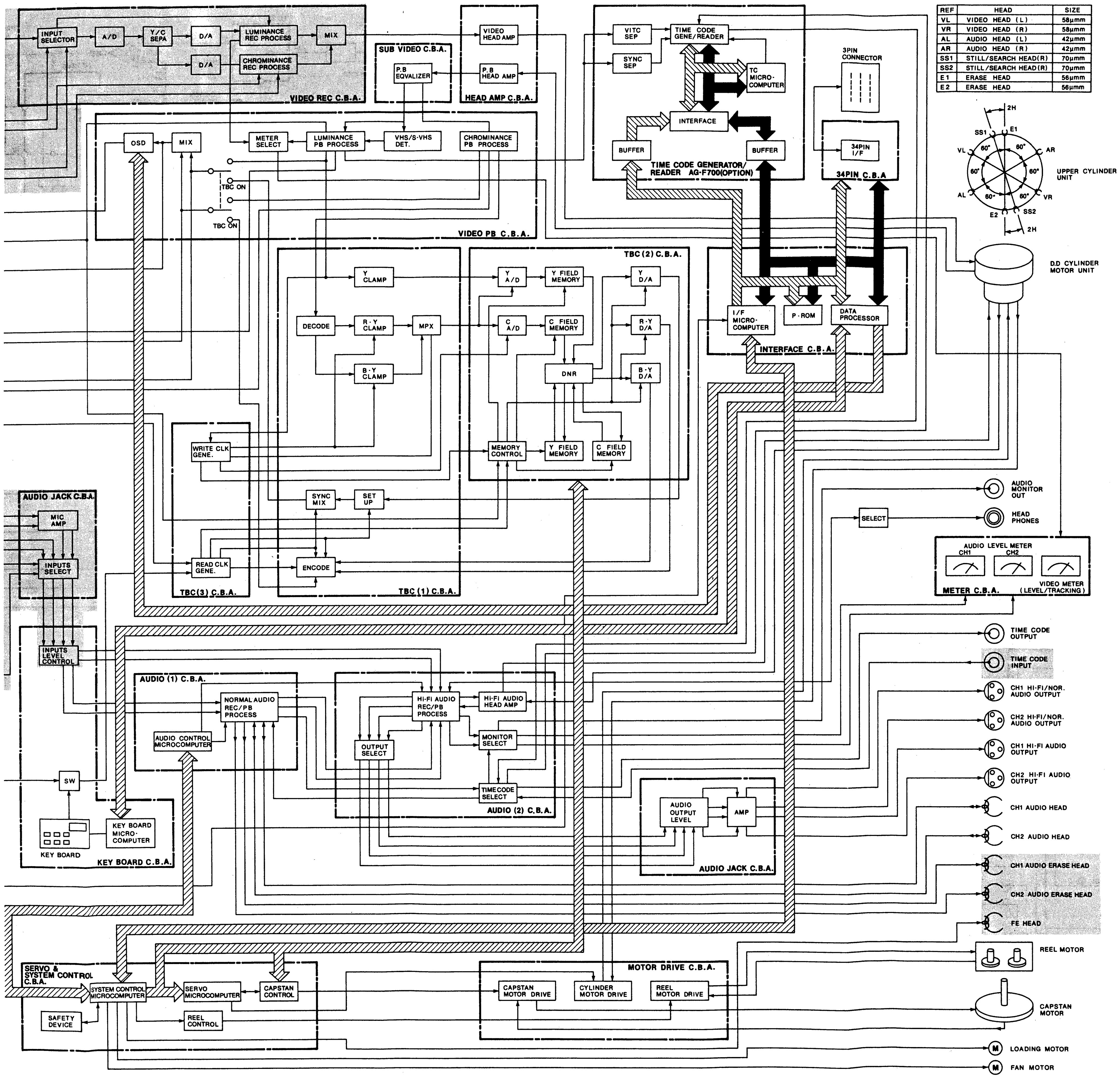
NOTE:
AG-7750 only have components and/or wires identified by shade ▨ mark on these block diagrams.

OVERALL BLOCK DIAGRAM



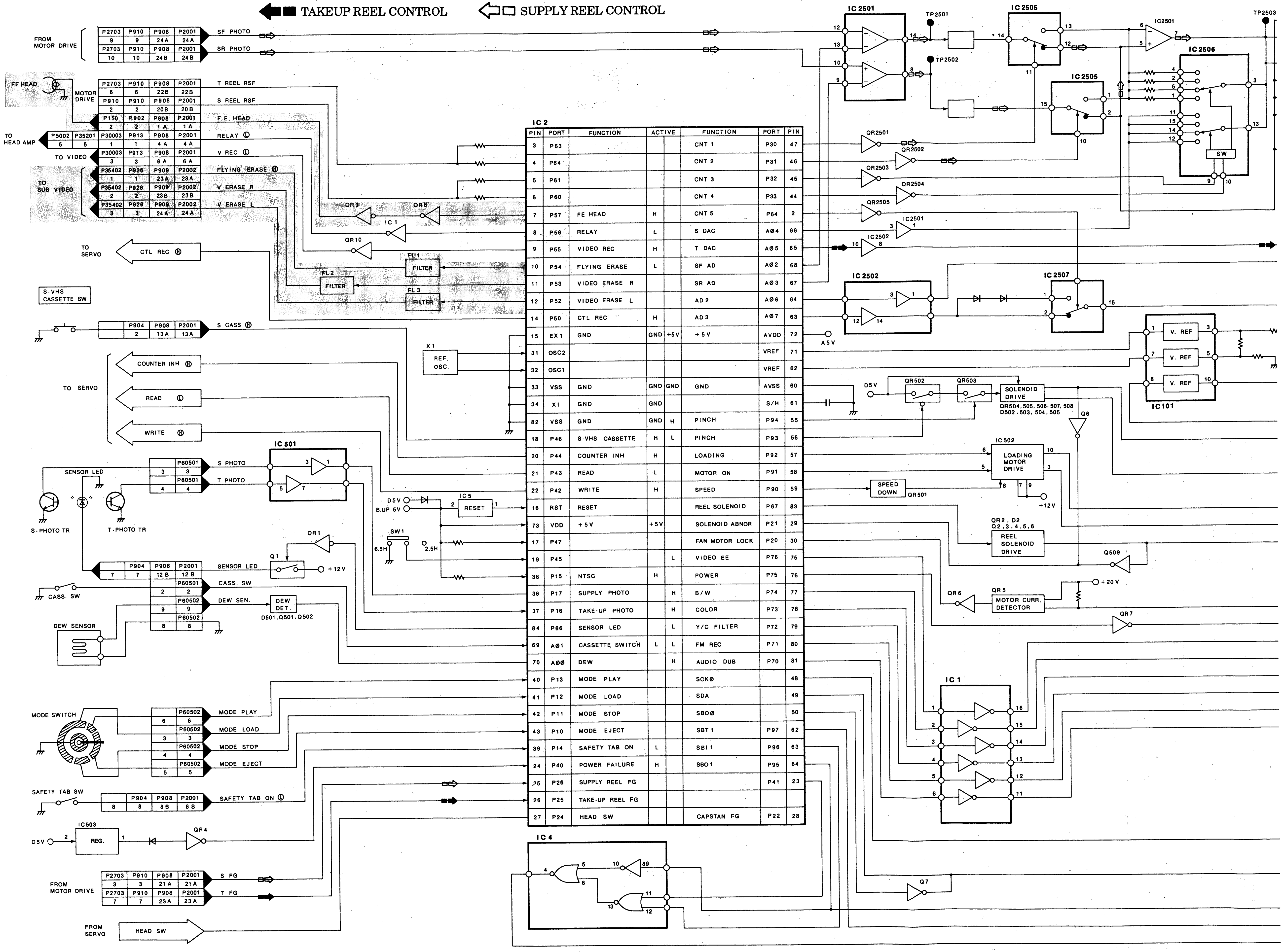
VIDEO INPUT
DUBBING INPUT
4P S-VIDEO INPUT
Y
C
INPUT SELECTOR
A/D
Y/C SEPA
D/A
LUMINANCE REC PROCESS
CHROMINANCE REC PROCESS
MIX
VIDEO REC C.B.A.
SUB VIDEO C.B.A.
P.B EQVALIZER
VIDEO HEAD AMP
P.B HEAD AMP
HEAD AMP C.B.A.
VITC SEP
SYNC SEP
TIME CODE GENE/READER
TC MICRO-COMPUTER
INTERFACE
BUFFER
TIME CODE GENERATOR/READER AG-F700(OPTION)
3PIN CONNECTOR
34PIN I/F
34PIN C.B.A
REF
VL
VIDE
VR
VIDE
AL
AUDI
AR
AUDI
SS1
STILI
SS2
STILI
E1
ERAS
E2
ERAS
SS
60°
OSD
MIX
METER SELECT
LUMINANCE PB PROCESS
VHS/S-VHS DET.
CHROMINANCE PB PROCESS
TBC ON
VIDEO PB C.B.A.
MONITOR OUT
DOC OUT
VIDEO OUT
1
2
DUBBING OUTPUT
4P S-VIDEO OUTPUT
REF INPUT
Y CLAMP
DECODE
R-Y CLAMP
MPX
B-Y CLAMP
TBC (2) C.B.A.
Y A/D
Y FIELD MEMORY
Y D/A
C A/D
C FIELD MEMORY
R-Y D/A
DNR
B-Y D/A
MEMORY CONTROL
C FIELD MEMORY
I/F MICRO-COMPUTER
P-ROM
DATA PROCESSOR
INTERFACE C.B.A.
WRITE CLK GENE.
SYNC MIX
SET UP
READ CLK GENE.
ENCODE
TBC(3) C.B.A.
TBC (1) C.B.A.
SELECT
AUDIO CH1
METER C.
AUDIO JACK C.B.A.
CH1 MIC INPUT
CH2 MIC INPUT
MIC AMP
INPUTS SELECT
CH1 HI-FI AUDIO INPUT
CH2 HI-FI AUDIO INPUT
CH1 NOR/HI-FI AUDIO INPUT
CH2 NOR/HI-FI AUDIO INPUT
INPUTS LEVEL CONTROL
AUDIO (1) C.B.A.
NORMAL AUDIO REC/PB PROCESS
AUDIO CONTROL MICROCOMPUTER
HI-FI AUDIO REC/PB PROCESS
HI-FI AUDIO HEAD AMP
MONITOR SELECT
OUTPUT SELECT
TIME CODE SELECT
AUDIO (2) C.B.A.
AUDIO OUTPUT LEVEL
AMP
AUDIO JACK C.B.A.
TBC REMOTE JACK
SW
KEY BOARD
KEY BOARD MICRO-COMPUTER
KEY BOARD C.B.A.
9PIN REMOTE JACK
POWER C.B.A.
AC POWER
POWER SUPPLY
TO ALL C.B.A.S
SERVO & SYSTEM CONTROL C.B.A.
SYSTEM CONTROL MICROCOMPUTER
SERVO MICROCOMPUTER
CAPSTAN CONTROL
SAFETY DEVICE
REEL CONTROL
MOTOR DRIVE C.B.A.
CAPSTAN MOTOR DRIVE
CYLINDER MOTOR DRIVE
REEL MOTOR DRIVE

.OCK DIAGRAM


INPUT SELECTOR
A/D
Y/C SEPA
D/A
LUMINANCE REC PROCESS
CHROMINANCE REC PROCESS
MIX
VIDEO REC C.B.A.
SUB VIDEO C.B.A.
P.B EQVALIZER
VIDEO HEAD AMP
P.B HEAD AMP
HEAD AMP C.B.A.
VITC SEP
SYNC SEP
TIME CODE GENE/READER
TC MICRO-COMPUTER
INTERFACE
BUFFER
BUFFER
TIME CODE GENERATOR/READER AG-F700(OPTION)
3PIN CONNECTOR
34PIN I/F
34PIN C.B.A
OSD
MIX
METER SELECT
LUMINANCE PB PROCESS
VHS/S-VHS DET.
CHROMINANCE PB PROCESS
TBC ON
TBC ON
VIDEO PB C.B.A.
TBC (2) C.B.A.
Y CLAMP
DECODE
R-Y CLAMP
MPX
B-Y CLAMP
Y A/D
Y FIELD MEMORY
Y D/A
C A/D
C FIELD MEMORY
R-Y D/A
DNR
B-Y D/A
WRITE CLK GENE.
MEMORY CONTROL
Y FIELD MEMORY
C FIELD MEMORY
SYNC MIX
SET UP
READ CLK GENE.
ENCODE
TBC(3) C.B.A.
TBC (1) C.B.A.
I/F MICRO-COMPUTER
P-ROM
DATA PROCESSOR
INTERFACE C.B.A.
2H
SS1
E1
VL
60°
AR
UPPER CYLINDER UNIT
AL
VR
E2
SS2
D.D CYLINDER MOTOR UNIT
AUDIO JACK C.B.A.
MIC AMP
INPUTS SELECT
INPUTS LEVEL CONTROL
AUDIO (1) C.B.A.
NORMAL AUDIO REC/PB PROCESS
AUDIO CONTROL MICROCOMPUTER
HI-FI AUDIO REC/PB PROCESS
HI-FI AUDIO HEAD AMP
OUTPUT SELECT
MONITOR SELECT
TIMECODE SELECT
AUDIO (2) C.B.A.
SELECT
AUDIO MONITOR OUT
HEAD PHONES
AUDIO LEVEL METER
CH1
CH2
VIDEO METER (LEVEL/TRACKING)
METER C.B.A.
TIME CODE OUTPUT
TIME CODE INPUT
CH1 HI-FI/NOR. AUDIO OUTPUT
CH2 HI-FI/NOR. AUDIO OUTPUT
CH1 HI-FI AUDIO OUTPUT
CH2 HI-FI AUDIO OUTPUT
CH1 AUDIO HEAD
CH2 AUDIO HEAD
CH1 AUDIO ERASE HEAD
CH2 AUDIO ERASE HEAD
FE HEAD
AUDIO OUTPUT LEVEL
AMP
AUDIO JACK C.B.A.
SW
KEY BOARD
KEY BOARD MICRO-COMPUTER
KEY BOARD C.B.A.
SERVO & SYSTEM CONTROL C.B.A.
SYSTEM CONTROL MICROCOMPUTER
SERVO MICROCOMPUTER
CAPSTAN CONTROL
SAFETY DEVICE
REEL CONTROL
MOTOR DRIVE C.B.A.
CAPSTAN MOTOR DRIVE
CYLINDER MOTOR DRIVE
REEL MOTOR DRIVE
REEL MOTOR
CAPSTAN MOTOR
M
LOADING MOTOR
M
FAN MOTOR

REF	HEAD	SIZE
VL	VIDEO HEAD (L)	58μmm
VR	VIDEO HEAD (R)	58μmm
AL	AUDIO HEAD (L)	42μmm
AR	AUDIO HEAD (R)	42μmm
SS1	STILL/SEARCH HEAD(R)	70μmm
SS2	STILL/SEARCH HEAD(R)	70μmm
E1	ERASE HEAD	56μmm
E2	ERASE HEAD	56μmm

SYSTEM CONTROL AND REEL SERVO BLOCK DIAGRAM

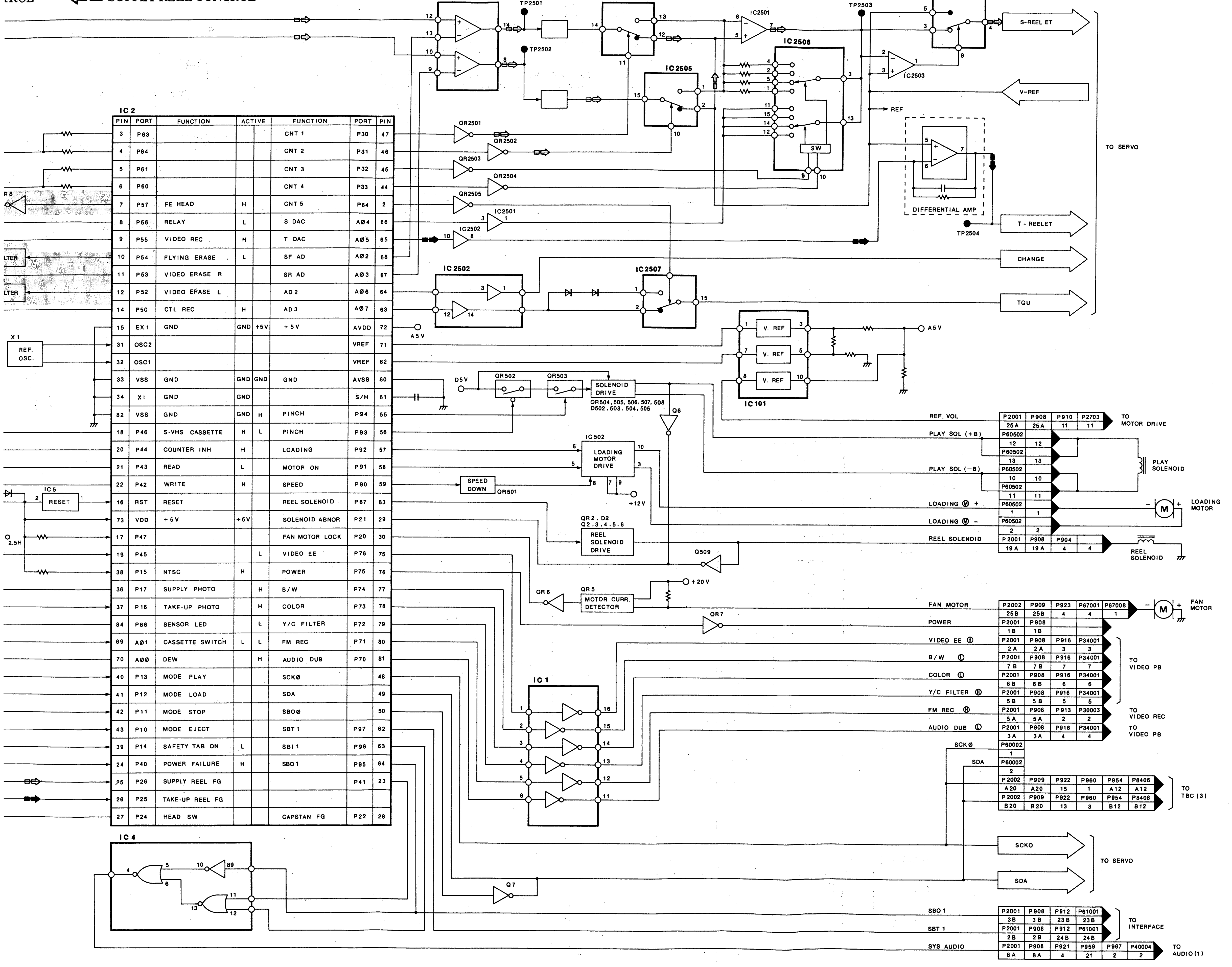

TAKEUP REEL CONTROL
SUPPLY REEL CONTROL
FROM MOTOR DRIVE
SF PHOTO
SR PHOTO
FE HEAD
MOTOR DRIVE
T REEL RSF
S REEL RSF
F.E. HEAD
TO HEAD AMP
RELAY Ⓛ
TO VIDEO
V REC Ⓛ
TO SUB VIDEO
FLYING ERASE Ⓗ
V ERASE R
V ERASE L
P2703
P910
P908
P2001
P150
P902
P5002
P35201
P30003
P913
P35402
P926
P909
P2002
QR3
QR8
IC1
QR10
TO SERVO
CTL REC Ⓗ
FL1
FILTER
FL2
FILTER
FL3
FILTER
S-VHS CASSETTE SW
P904
S CASS Ⓗ
X1
REF. OSC.
TO SERVO
COUNTER INH Ⓗ
READ Ⓛ
WRITE Ⓗ
IC 501
SENSOR LED
P60501
S PHOTO
T PHOTO
S-PHOTO TR
T-PHOTO TR
D5V
B.UP 5V
IC5
RESET
SW1
6.5H
2.5H
QR1
Q1
+12V
SENSOR LED
CASS. SW
CASS. SW
DEW SEN.
DEW DET.
D501, Q501, Q502
P60502
DEW SENSOR
MODE SWITCH
MODE PLAY
MODE LOAD
MODE STOP
MODE EJECT
SAFETY TAB SW
SAFETY TAB ON Ⓛ
IC503
D5V
REG.
QR4
FROM MOTOR DRIVE
S FG
T FG
FROM SERVO
HEAD SW
IC 2
IC 4
IC 2501
TP2501
TP2502
IC 2505
IC2501
TP2503
IC 2506
IC 2505
SW
QR2501
QR2502
QR2503
QR2504
QR2505
IC2501
IC2502
IC 2502
IC 2507
A5V
V. REF
V. REF
V. REF
IC101
D5V
QR502
QR503
SOLENOID DRIVE
QR504, 505, 506, 507, 508
D502, 503, 504, 505
Q6
IC 502
LOADING MOTOR DRIVE
SPEED DOWN
QR501
+12V
QR2, D2
Q2, 3, 4, 5, 6
REEL SOLENOID DRIVE
Q509
QR6
QR5
MOTOR CURR. DETECTOR
+20V
QR7
IC 1
Q7

IC 2

PIN	PORT	FUNCTION	ACTIVE		FUNCTION	PORT	PIN
3	P63				CNT 1	P30	47
4	P64				CNT 2	P31	46
5	P61				CNT 3	P32	45
6	P60				CNT 4	P33	44
7	P57	FE HEAD	H		CNT 5	P64	2
8	P56	RELAY	L		S DAC	A04	66
9	P55	VIDEO REC	H		T DAC	A05	65
10	P54	FLYING ERASE	L		SF AD	A02	68
11	P53	VIDEO ERASE R			SR AD	A03	67
12	P52	VIDEO ERASE L			AD 2	A06	64
14	P50	CTL REC	H		AD 3	A07	63
15	EX 1	GND	GND	+5V	+ 5 V	AVDD	72
31	OSC2					VREF	71
32	OSC1					VREF	62
33	VSS	GND	GND	GND	GND	AVSS	60
34	XI	GND	GND			S/H	61
82	VSS	GND	GND	H	PINCH	P94	55
18	P46	S-VHS CASSETTE	H	L	PINCH	P93	56
20	P44	COUNTER INH	H		LOADING	P92	57
21	P43	READ	L		MOTOR ON	P91	58
22	P42	WRITE	H		SPEED	P90	59
16	RST	RESET			REEL SOLENOID	P67	83
73	VDD	+ 5 V	+5V		SOLENOID ABNOR	P21	29
17	P47				FAN MOTOR LOCK	P20	30
19	P45			L	VIDEO EE	P76	75
38	P15	NTSC	H		POWER	P75	76
36	P17	SUPPLY PHOTO		H	B/W	P74	77
37	P16	TAKE-UP PHOTO		H	COLOR	P73	78
84	P66	SENSOR LED		L	Y/C FILTER	P72	79
69	A01	CASSETTE SWITCH	L	L	FM REC	P71	80
70	A00	DEW		H	AUDIO DUB	P70	81
40	P13	MODE PLAY			SCK0		48
41	P12	MODE LOAD			SDA		49
42	P11	MODE STOP			SBO0		50
43	P10	MODE EJECT			SBT 1	P97	62
39	P14	SAFETY TAB ON	L		SBI 1	P96	63
24	P40	POWER FAILURE	H		SBO 1	P95	64
25	P26	SUPPLY REEL FG				P41	23
26	P25	TAKE-UP REEL FG					
27	P24	HEAD SW			CAPSTAN FG	P22	28

LOCK DIAGRAM

TROL ⇦□ SUPPLY REEL CONTROL

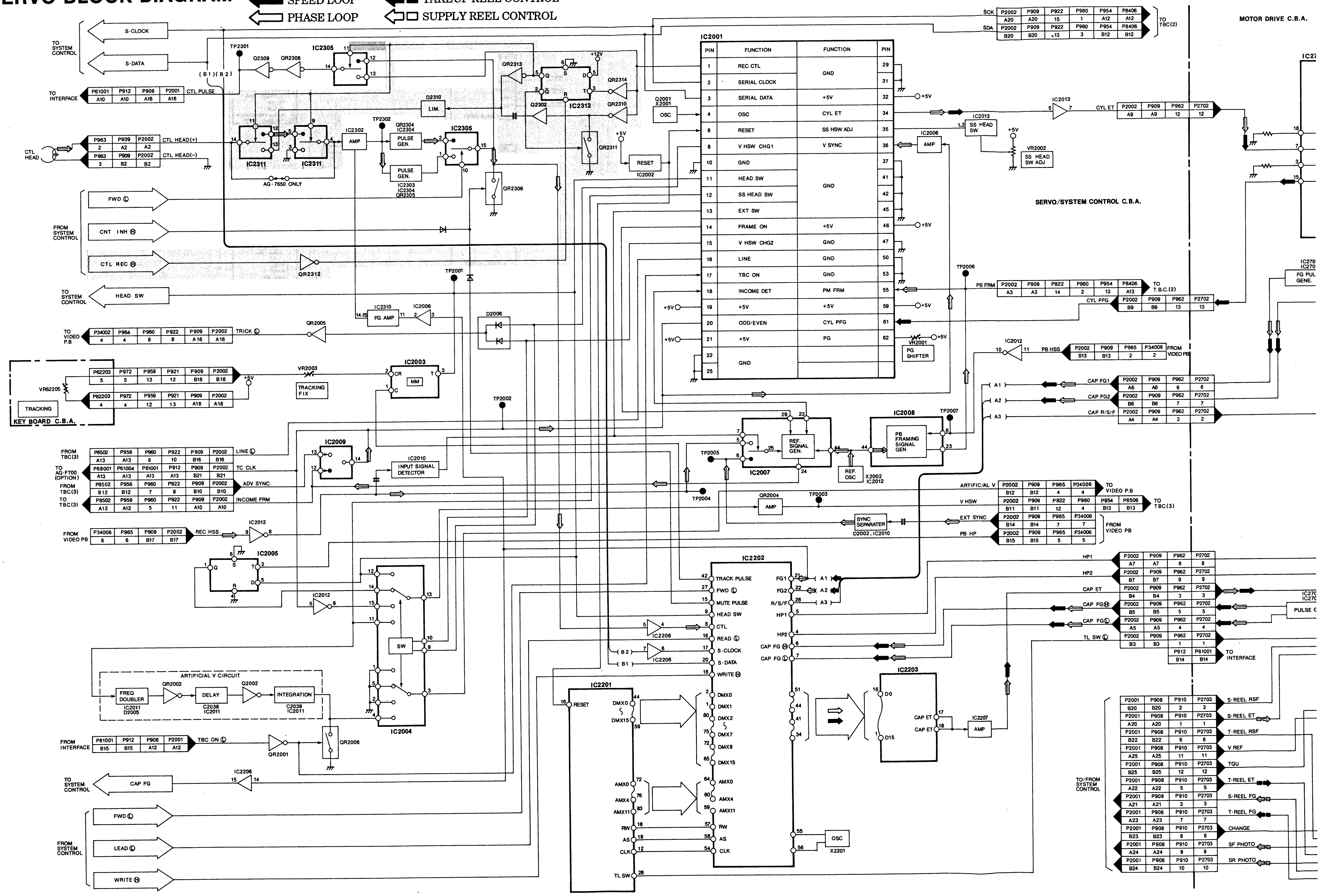

IC 2501
IC 2505
IC2501
IC 2506
IC2503
IC 2502
IC 2507
IC101
V. REF
A 5 V
TP2501
TP2502
TP2503
TP2504
QR2501
QR2502
QR2503
QR2504
QR2505
IC2501
IC2502
SW
REF
DIFFERENTIAL AMP
S-REEL ET
V-REF
T - REELET
CHANGE
TQU
TO SERVO
X 1
REF. OSC.
R8
LTER
IC5
RESET
2.5H
D5V
QR502
QR503
SOLENOID DRIVE
QR504, 505, 506, 507, 508
D502, 503, 504, 505
Q6
IC 502
LOADING MOTOR DRIVE
SPEED DOWN
QR501
+12V
QR2, D2
Q2, 3, 4, 5, 6
REEL SOLENOID DRIVE
Q509
+20V
QR6
QR5
MOTOR CURR. DETECTOR
QR7
IC 1
IC 4
Q7
REF. VOL | P2001 25A | P908 25A | P910 11 | P2703 11 | TO MOTOR DRIVE
PLAY SOL (+B) | P60502 12 | 12
P60502 13 | 13
PLAY SOL (−B) | P60502 10 | 10
P60502 11 | 11
PLAY SOLENOID
LOADING Ⓜ + | P60502 1 | 1
LOADING Ⓜ − | P60502 2 | 2
LOADING MOTOR
REEL SOLENOID | P2001 19A | P908 19A | P904 4 | 4
REEL SOLENOID
FAN MOTOR | P2002 25B | P909 25B | P923 4 | P67001 4 | P67008 1
FAN MOTOR
POWER | P2001 1B | P908 1B
VIDEO EE Ⓗ | P2001 2A | P908 2A | P916 3 | P34001 3
B/W Ⓛ | P2001 7B | P908 7B | P916 7 | P34001 7
COLOR Ⓛ | P2001 6B | P908 6B | P916 6 | P34001 6
Y/C FILTER Ⓗ | P2001 5B | P908 5B | P916 5 | P34001 5
TO VIDEO PB
FM REC Ⓗ | P2001 5A | P908 5A | P913 2 | P30003 2
TO VIDEO REC
AUDIO DUB Ⓛ | P2001 3A | P908 3A | P916 4 | P34001 4
TO VIDEO PB
SCKØ | P60002 1
SDA | P60002 2
P2002 A20 | P909 A20 | P922 15 | P960 1 | P954 A12 | P8406 A12
P2002 B20 | P909 B20 | P922 13 | P960 3 | P954 B12 | P8406 B12
TO TBC (3)
SCKO
SDA
TO SERVO
SBO 1 | P2001 3B | P908 3B | P912 23B | P61001 23B
SBT 1 | P2001 2B | P908 2B | P912 24B | P61001 24B
TO INTERFACE
SYS AUDIO | P2001 8A | P908 8A | P921 4 | P959 21 | P967 2 | P40004 2
TO AUDIO (1)

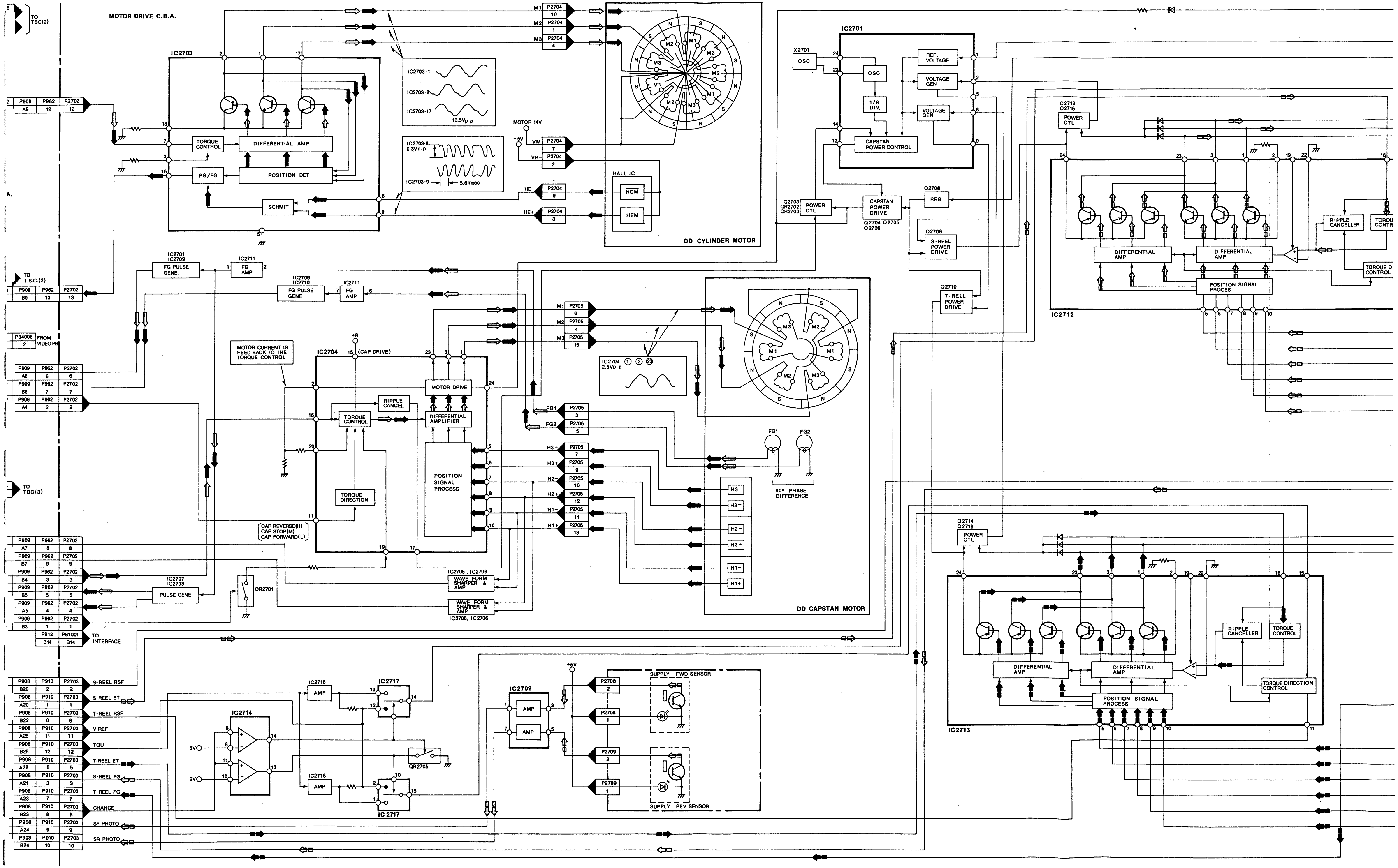
IC 2

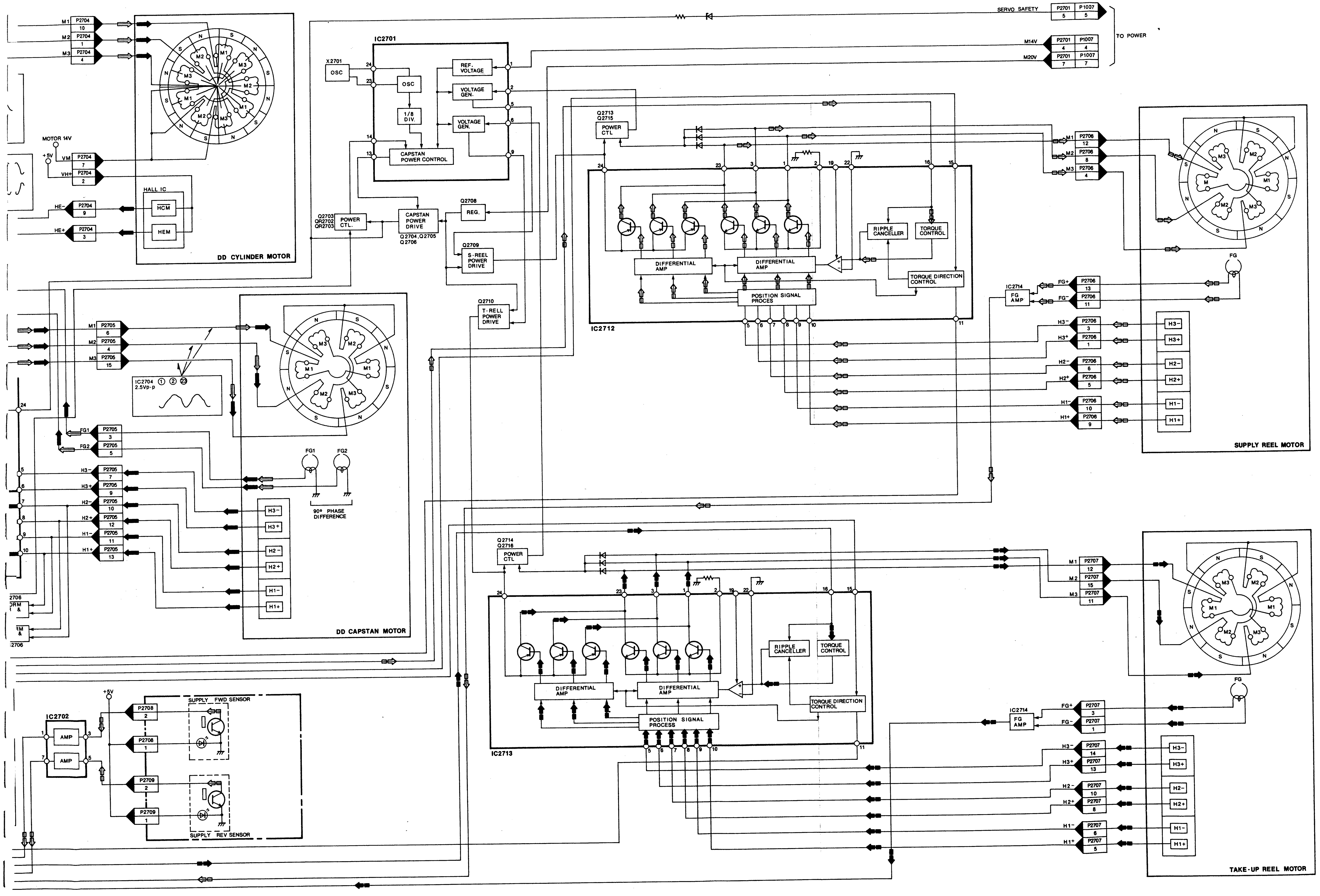
PIN	PORT	FUNCTION	ACTIVE		FUNCTION	PORT	PIN
3	P63				CNT 1	P30	47
4	P64				CNT 2	P31	46
5	P61				CNT 3	P32	45
6	P60				CNT 4	P33	44
7	P57	FE HEAD	H		CNT 5	P64	2
8	P56	RELAY	L		S DAC	AØ4	66
9	P55	VIDEO REC	H		T DAC	AØ5	65
10	P54	FLYING ERASE	L		SF AD	AØ2	68
11	P53	VIDEO ERASE R			SR AD	AØ3	67
12	P52	VIDEO ERASE L			AD 2	AØ6	64
14	P50	CTL REC	H		AD 3	AØ7	63
15	EX 1	GND	GND	+5V	+ 5 V	AVDD	72
31	OSC2					VREF	71
32	OSC1					VREF	62
33	VSS	GND	GND	GND	GND	AVSS	60
34	X I	GND	GND			S/H	61
82	VSS	GND	GND	H	PINCH	P94	55
18	P46	S-VHS CASSETTE	H	L	PINCH	P93	56
20	P44	COUNTER INH	H		LOADING	P92	57
21	P43	READ	L		MOTOR ON	P91	58
22	P42	WRITE	H		SPEED	P90	59
16	RST	RESET			REEL SOLENOID	P67	83
73	VDD	+ 5 V	+5V		SOLENOID ABNOR	P21	29
17	P47				FAN MOTOR LOCK	P20	30
19	P45			L	VIDEO EE	P76	75
38	P15	NTSC	H		POWER	P75	76
36	P17	SUPPLY PHOTO		H	B/W	P74	77
37	P16	TAKE-UP PHOTO		H	COLOR	P73	78
84	P66	SENSOR LED		L	Y/C FILTER	P72	79
69	AØ1	CASSETTE SWITCH	L	L	FM REC	P71	80
70	AØØ	DEW		H	AUDIO DUB	P70	81
40	P13	MODE PLAY			SCKØ		48
41	P12	MODE LOAD			SDA		49
42	P11	MODE STOP			SBOØ		50
43	P10	MODE EJECT			SBT 1	P97	62
39	P14	SAFETY TAB ON	L		SBI 1	P96	63
24	P40	POWER FAILURE	H		SBO 1	P95	64
25	P26	SUPPLY REEL FG				P41	23
26	P25	TAKE-UP REEL FG					
27	P24	HEAD SW			CAPSTAN FG	P22	28

SERVO BLOCK DIAGRAM

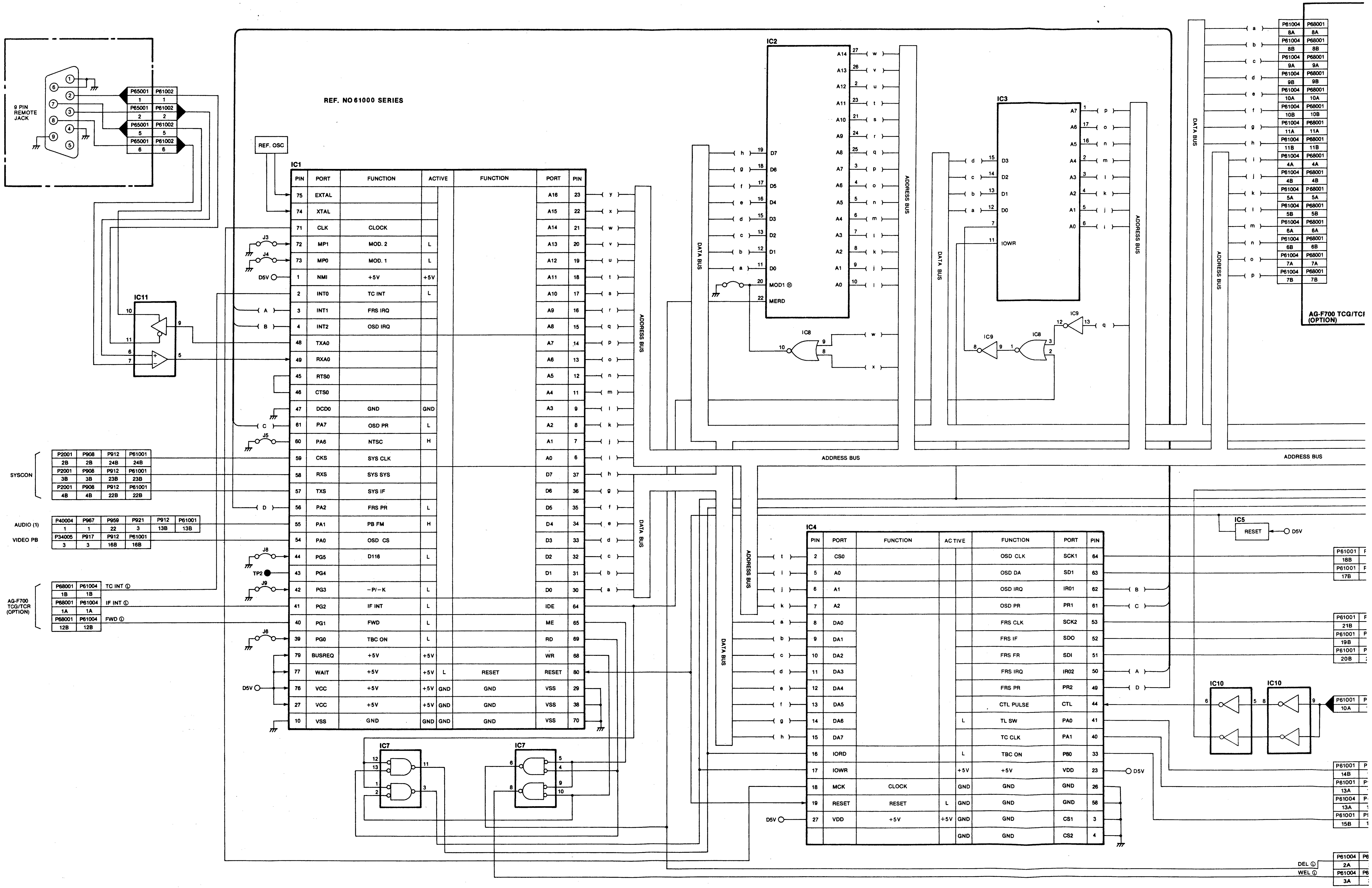
SPEED LOOP
PHASE LOOP
TAKEUP REEL CONTROL
SUPPLY REEL CONTROL

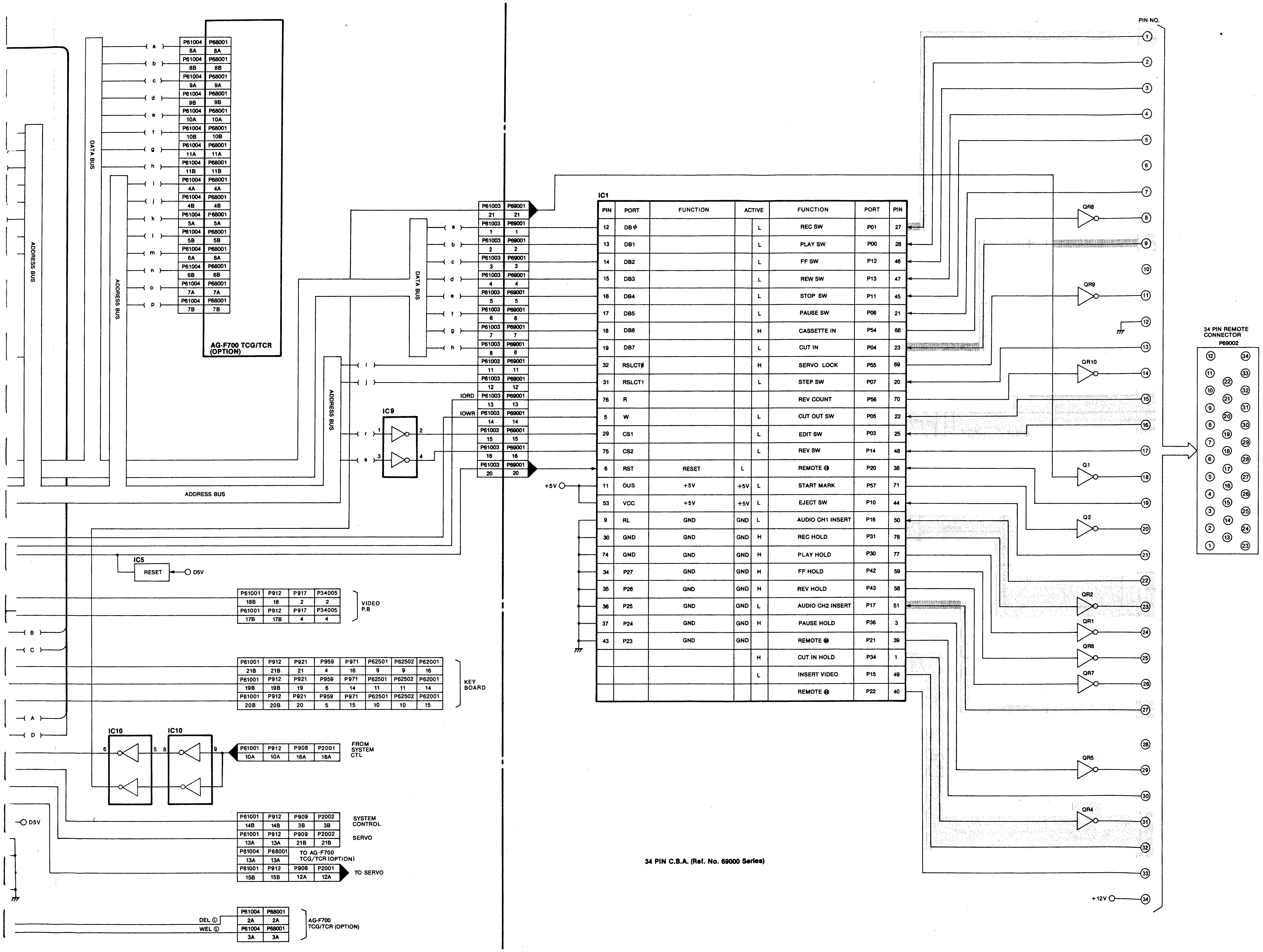

MOTOR DRIVE C.B.A.
SERVO/SYSTEM CONTROL C.B.A.
KEY BOARD C.B.A.
TO SYSTEM CONTROL
S-CLOCK
S-DATA
TO INTERFACE
CTL PULSE
CTL HEAD
CTL HEAD(+)
CTL HEAD(–)
FROM SYSTEM CONTROL
FWD Ⓛ
CNT INH Ⓗ
CTL REC Ⓗ
HEAD SW
TO VIDEO P.B
TRICK Ⓛ
TRACKING
VR62205
VR2003
TRACKING FIX
FROM TBC(3)
LINE Ⓛ
TO AG-F700 (OPTION)
TC CLK
ADV SYNC
INCOME FRM
FROM VIDEO PB
REC HSS
FROM INTERFACE
TBC ON Ⓛ
CAP FG
LEAD Ⓛ
WRITE Ⓗ
TP2301
Q2309
QR2308
IC2305
IC2311
AG-7650 ONLY
D2310
LIM.
TP2302
IC2302
AMP
QR2304 IC2304
PULSE GEN.
IC2303 IC2304 QR2305
QR2306
QR2313
Q2302
IC2312
QR2314
QR2310
QR2311
RESET
IC2002
Q2001 X2001
OSC
QR2312
TP2001
D2006
IC2310
FG AMP
IC2006
QR2005
IC2003
MM
TP2002
IC2009
IC2010
INPUT SIGNAL DETECTOR
IC2012
IC2005
IC2004
SW
ARTIFICIAL V CIRCUIT
FREQ DOUBLER
IC2011 D2005
QR2002
DELAY
C2038 IC2011
Q2002
INTEGRATION
C2039 IC2011
QR2001
QR2006
IC2206
IC2001
PIN | FUNCTION | FUNCTION | PIN
1 | REC CTL | GND | 29
2 | SERIAL CLOCK | | 31
3 | SERIAL DATA | +5V | 32
4 | OSC | CYL ET | 34
6 | RESET | SS HSW ADJ | 35
8 | V HSW CHG1 | V SYNC | 36
10 | GND | | 37
11 | HEAD SW | GND | 41
12 | SS HEAD SW | | 42
13 | EXT SW | | 45
14 | FRAME ON | +5V | 46
15 | V HSW CHG2 | GND | 47
16 | LINE | GND | 50
17 | TBC ON | GND | 53
18 | INCOME DET | PM FRM | 55
19 | +5V | +5V | 59
20 | ODD/EVEN | CYL PFG | 61
21 | +5V | PG | 62
22, 25 | GND | |
SCK
SDA
TO TBC(2)
IC2013
SS HEAD SW
VR2002
SS HEAD SW ADJ
CYL ET
TP2006
PB FRM
TO T.B.C.(2)
CYL PFG
VR2001
PG SHIFTER
PB HSS
FROM VIDEO PB
CAP FG1
CAP FG2
CAP R/S/F
IC2007
REF. SIGNAL GEN.
TP2005
IC2008
PB FRAMING SIGNAL GEN
TP2007
REF. OSC
X2002 IC2012
TP2004
QR2004
TP2003
ARTIFIC/AL V
TO VIDEO P.B
V HSW
TO TBC(3)
EXT SYNC
SYNC SEPARATER
D2002, IC2010
PB HP
IC2202
TRACK PULSE
MUTE PULSE
HEAD SW
CTL
READ Ⓛ
S-CLOCK
S-DATA
WRITE Ⓗ
FG1
FG2
R/S/F
HP1
HP2
CAP FG Ⓗ
CAP FG Ⓛ
DMX0
DMX1
DMX2
DMX8
DMX15
AMX0
AMX4
AMX11
RW
AS
CLK
TL SW
IC2201
RESET
X2201
IC2203
D0
D15
CAP ET
IC2207
HP1
HP2
TL SW Ⓛ
PULSE G
TO/FROM SYSTEM CONTROL
S-REEL RSF
S-REEL ET
T-REEL RSF
V REF
TQU
T-REEL ET
S-REEL FG
T-REEL FG
CHANGE
SF PHOTO
SR PHOTO
FG PUL GENE.


MOTOR DRIVE C.B.A.
TO TBC(2)
TO T.B.C.(2)
TO TBC(3)
FROM VIDEO PB
TO INTERFACE
P909 P962 P2702
A9 12 12
B9 13 13
P34006 2
A6 6 6
B6 7 7
A4 2 2
A7 8 8
B7 9 9
B4 3 3
B5 5 5
A5 4 4
B3 1 1
P912 P61001
B14 B14
P908 P910 P2703
B20 2 2
A20 1 1
B22 6 6
A25 11 11
B25 12 12
A22 5 5
A21 3 3
A23 7 7
B23 8 8
A24 9 9
B24 10 10
S-REEL RSF
S-REEL ET
T-REEL RSF
V REF
TQU
T-REEL ET
S-REEL FG
T-REEL FG
CHANGE
SF PHOTO
SR PHOTO
IC2703
TORQUE CONTROL
DIFFERENTIAL AMP
POSITION DET
PG/FG
SCHMIT
M1 P2704 10
M2 P2704 1
M3 P2704 4
IC2703-1
IC2703-2
IC2703-17
13.5Vp.p
IC2703-8 0.3Vp-p
IC2703-9
5.6msec
MOTOR 14V
+5V
VM P2704 7
VH+ P2704 2
HE- P2704 9
HE+ P2704 3
HALL IC
HCM
HEM
DD CYLINDER MOTOR
IC2701 IC2709
FG PULSE GENE.
IC2711
FG AMP
IC2709 IC2710
FG PULSE GENE
IC2704
+B
(CAP DRIVE)
MOTOR CURRENT IS FEED BACK TO THE TORQUE CONTROL
MOTOR DRIVE
RIPPLE CANCEL
TORQUE CONTROL
DIFFERENTIAL AMPLIFIER
POSITION SIGNAL PROCESS
TORQUE DIRECTION
CAP REVERSE(H)
CAP STOP(M)
CAP FORWARD(L)
M1 P2705 6
M2 P2705 4
M3 P2705 15
IC2704 ① ② ㉓
2.5Vp-p
FG1 P2705 3
FG2 P2705 5
FG1
FG2
90° PHASE DIFFERENCE
H3- P2705 7
H3+ P2705 9
H2- P2705 10
H2+ P2705 12
H1- P2705 11
H1+ P2705 13
H3-
H3+
H2-
H2+
H1-
H1+
DD CAPSTAN MOTOR
IC2705, IC2706
WAVE FORM SHARPER & AMP
IC2707 IC2708
PULSE GENE
QR2701
IC2701
X2701
OSC
1/8 DIV.
REF. VOLTAGE
VOLTAGE GEN.
CAPSTAN POWER CONTROL
Q2703 QR2702 QR2703
POWER CTL.
CAPSTAN POWER DRIVE
Q2704,Q2705 Q2706
Q2708
REG.
Q2709
S-REEL POWER DRIVE
Q2710
T-RELL POWER DRIVE
Q2713 Q2715
POWER CTL
IC2712
RIPPLE CANCELLER
TORQU CONTR
TORQUE DI CONTROL
POSITION SIGNAL PROCES
Q2714 Q2716
IC2713
TORQUE CONTROL
TORQUE DIRECTION CONTROL
IC2716
AMP
IC2717
IC 2717
IC2714
3V
2V
QR2705
IC2702
P2708 2
P2708 1
P2709 2
P2709 1
SUPPLY FWD SENSOR
SUPPLY REV SENSOR


SERVO SAFETY
P2701 5
P1007 5
TO POWER
M14V
P2701 4
P1007 4
M20V
P2701 7
P1007 7
IC2701
X2701
OSC
REF. VOLTAGE
VOLTAGE GEN.
1/8 DIV.
CAPSTAN POWER CONTROL
CAPSTAN POWER DRIVE
Q2704,Q2705 Q2706
Q2708
REG.
Q2703 QR2702 QR2703
POWER CTL.
Q2709
S-REEL POWER DRIVE
Q2710
T-REEL POWER DRIVE
M1 P2704 10
M2 P2704 1
M3 P2704 4
MOTOR 14V
+5V
VM P2704 7
VH+ P2704 2
HALL IC
HCM
HEM
HE− P2704 9
HE+ P2704 3
DD CYLINDER MOTOR
Q2713 Q2715
POWER CTL
IC2712
DIFFERENTIAL AMP
POSITION SIGNAL PROCES
RIPPLE CANCELLER
TORQUE CONTROL
TORQUE DIRECTION CONTROL
M1 P2706 12
M2 P2706 8
M3 P2706 4
IC2714
FG AMP
FG+ P2706 13
FG− P2706 11
FG
H3− P2706 3
H3+ P2706 1
H2− P2706 6
H2+ P2706 5
H1− P2706 10
H1+ P2706 9
SUPPLY REEL MOTOR
M1 P2705 6
M2 P2705 4
M3 P2705 15
IC2704 ① ② ㉓
2.5Vp-p
FG1 P2705 3
FG2 P2705 5
FG1
FG2
90° PHASE DIFFERENCE
H3− P2705 7
H3+ P2705 9
H2− P2705 10
H2+ P2705 12
H1− P2705 11
H1+ P2705 13
DD CAPSTAN MOTOR
Q2714 Q2716
POWER CTL
IC2713
DIFFERENTIAL AMP
POSITION SIGNAL PROCESS
RIPPLE CANCELLER
TORQUE CONTROL
TORQUE DIRECTION CONTROL
M1 P2707 12
M2 P2707 15
M3 P2707 11
IC2714
FG AMP
FG+ P2707 3
FG− P2707 1
FG
H3− P2707 14
H3+ P2707 13
H2− P2707 10
H2+ P2707 8
H1− P2707 6
H1+ P2707 5
TAKE-UP REEL MOTOR
IC2702
AMP
AMP
+5V
P2708 2
P2708 1
P2709 2
P2709 1
SUPPLY FWD SENSOR
SUPPLY REV SENSOR
2706
RM &
RM &
2706

INTERFACE BLOCK DIAGRAM


9 PIN REMOTE JACK
P65001
P61002
REF. NO 61000 SERIES
REF. OSC
IC1
IC2
IC3
IC4
IC5
IC7
IC8
IC9
IC10
IC11
PIN
PORT
FUNCTION
ACTIVE
EXTAL
XTAL
CLK
CLOCK
MP1
MOD. 2
MP0
MOD. 1
NMI
+5V
INT0
TC INT
INT1
FRS IRQ
INT2
OSD IRQ
TXA0
RXA0
RTS0
CTS0
DCD0
GND
PA7
OSD PR
PA6
NTSC
CKS
SYS CLK
RXS
SYS SYS
TXS
SYS IF
PA2
FRS PR
PA1
PB FM
PA0
OSD CS
PG5
D116
PG4
PG3
−P/−K
PG2
IF INT
PG1
FWD
PG0
TBC ON
BUSREQ
WAIT
RESET
VCC
VSS
IDE
ME
RD
WR
J3
J4
J5
J6
J8
J9
TP2
D5V
SYSCON
P2001
P908
P912
P61001
AUDIO (1)
VIDEO PB
P40004
P967
P959
P921
P34005
P917
AG-F700 TCG/TCR (OPTION)
P68001
P61004
TC INT ⓛ
IF INT ⓛ
FWD ⓛ
DATA BUS
ADDRESS BUS
MOD1 Ⓗ
MERD
IOWR
CS0
DA0
DA1
DA2
DA3
DA4
DA5
DA6
DA7
IORD
MCK
OSD CLK
OSD DA
OSD IRQ
FRS CLK
FRS IF
FRS FR
FRS IRQ
FRS PR
CTL PULSE
TL SW
TC CLK
TBC ON
SCK1
SD1
IR01
PR1
SCK2
SDO
SDI
IR02
PR2
CTL
PA0
PA1
P80
VDD
CS1
CS2
DEL ⓛ
WEL ⓛ

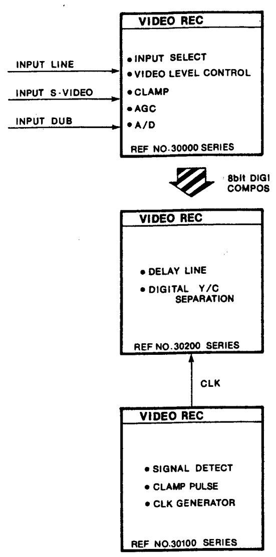

DATA BUS
ADDRESS BUS
AG-F700 TCG/TCR
(OPTION)
P61004
P68001
P61003
P69001
IORD
IOWR
IC9
IC5
RESET
D5V
+5V
VIDEO
P.B
KEY
BOARD
IC10
FROM
SYSTEM
CTL
SYSTEM
CONTROL
SERVO
TO AG-F700
TCG/TCR (OPTION)
TO SERVO
DEL
WEL
AG-F700
TCG/TCR (OPTION)
PIN NO.
QR8
QR9
QR10
Q1
Q2
QR2
QR1
QR6
QR7
QR5
QR4
+12V
34 PIN REMOTE
CONNECTOR
P69002

IC1

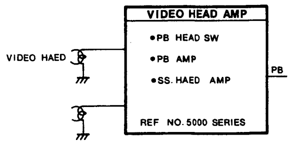
PIN	PORT	FUNCTION	ACTIVE		FUNCTION	PORT	PIN
12	DBϕ			L	REC SW	P01	27
13	DB1			L	PLAY SW	P00	28
14	DB2			L	FF SW	P12	46
15	DB3			L	REW SW	P13	47
16	DB4			L	STOP SW	P11	45
17	DB5			L	PAUSE SW	P06	21
18	DB6			H	CASSETTE IN	P54	68
19	DB7			L	CUT IN	P04	23
32	RSLCTϕ			H	SERVO LOCK	P55	69
31	RSLCT1			L	STEP SW	P07	20
76	R				REV COUNT	P56	70
5	W			L	CUT OUT SW	P05	22
29	CS1			L	EDIT SW	P03	25
75	CS2			L	REV SW	P14	48
6	RST	RESET	L		REMOTE ⑲	P20	38
11	OUS	+5V	+5V	L	START MARK	P57	71
53	VCC	+5V	+5V	L	EJECT SW	P10	44
9	RL	GND	GND	L	AUDIO CH1 INSERT	P16	50
30	GND	GND	GND	H	REC HOLD	P31	78
74	GND	GND	GND	H	PLAY HOLD	P30	77
34	P27	GND	GND	H	FF HOLD	P42	59
35	P26	GND	GND	H	REV HOLD	P43	58
36	P25	GND	GND	L	AUDIO CH2 INSERT	P17	51
37	P24	GND	GND	H	PAUSE HOLD	P36	3
43	P23	GND	GND		REMOTE ⑱	P21	39
				H	CUT IN HOLD	P34	1
				L	INSERT VIDEO	P15	49
					REMOTE ⑮	P22	40

34 PIN C.B.A. (Ref. No. 69000 Series)

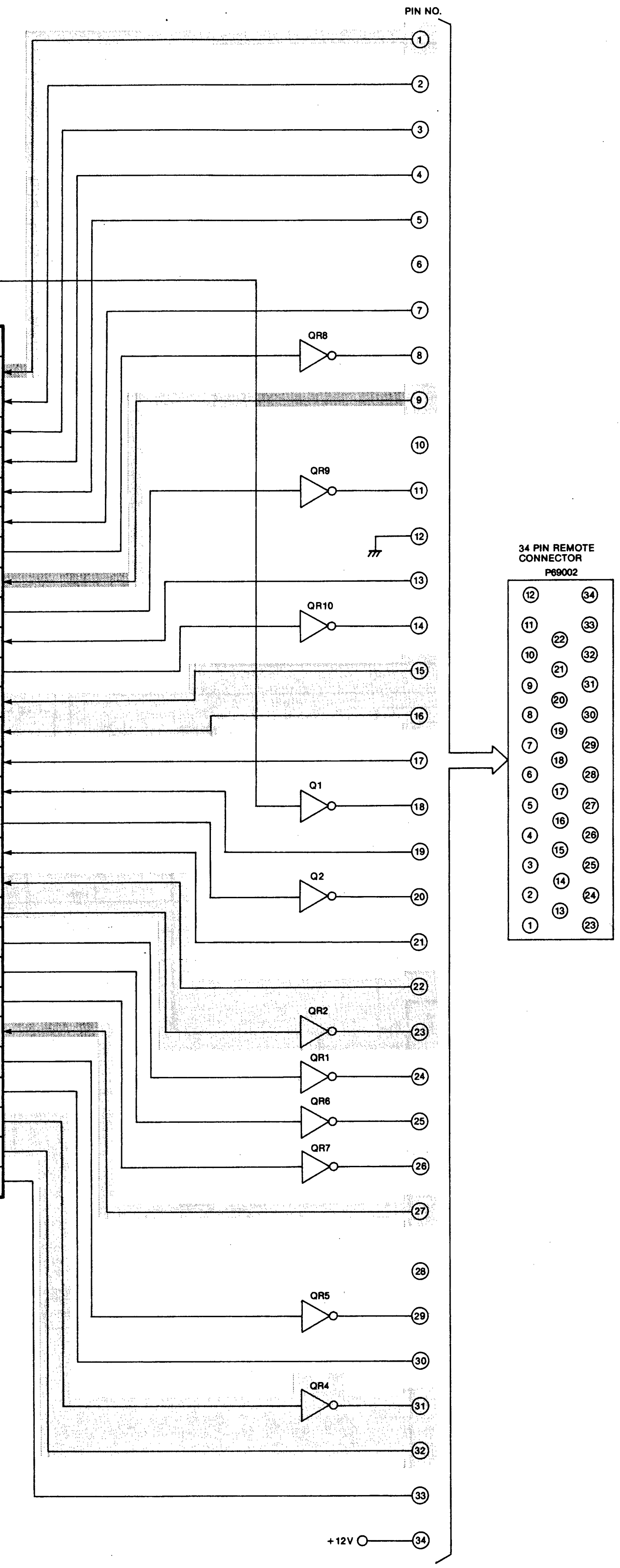
VIDEO REC


VIDEO REC
INPUT LINE
INPUT S-VIDEO
INPUT DUB
• INPUT SELECT
• VIDEO LEVEL CONTROL
• CLAMP
• AGC
• A/D
REF NO. 30000 SERIES
8bit DIGI
COMPOS
VIDEO REC
• DELAY LINE
• DIGITAL Y/C SEPARATION
REF NO. 30200 SERIES
CLK
VIDEO REC
• SIGNAL DETECT
• CLAMP PULSE
• CLK GENERATOR
REF NO. 30100 SERIES

VIDEO PB O

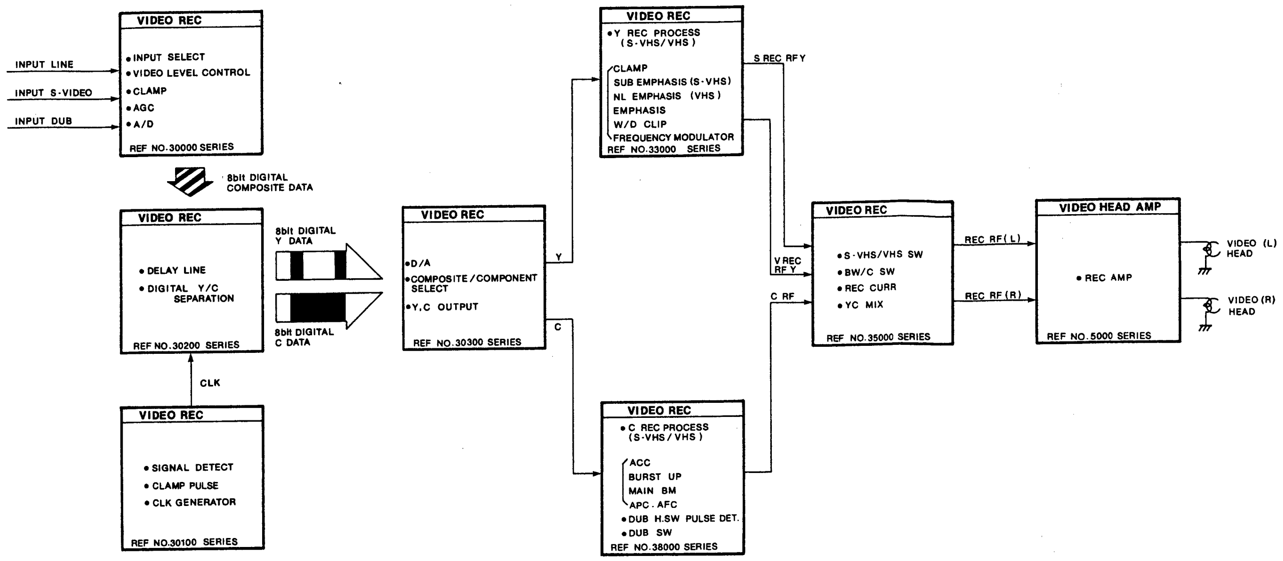

VIDEO HEAD AMP
VIDEO HAED
• PB HEAD SW
• PB AMP
• SS. HAED AMP
PB
REF NO. 5000 SERIES

FUNCTION	ACTIVE		FUNCTION	PORT	PIN
		L	REC SW	P01	27
		L	PLAY SW	P00	28
		L	FF SW	P12	46
		L	REW SW	P13	47
		L	STOP SW	P11	45
		L	PAUSE SW	P06	21
		H	CASSETTE IN	P54	68
		L	CUT IN	P04	23
		H	SERVO LOCK	P55	69
		L	STEP SW	P07	20
			REV COUNT	P56	70
		L	CUT OUT SW	P05	22
		L	EDIT SW	P03	25
		L	REV SW	P14	48
RESET	L		REMOTE ❶	P20	38
+5V	+5V	L	START MARK	P57	71
+5V	+5V	L	EJECT SW	P10	44
GND	GND	L	AUDIO CH1 INSERT	P16	50
GND	GND	H	REC HOLD	P31	78
GND	GND	H	PLAY HOLD	P30	77
GND	GND	H	FF HOLD	P42	59
GND	GND	H	REV HOLD	P43	58
GND	GND	L	AUDIO CH2 INSERT	P17	51
GND	GND	H	PAUSE HOLD	P36	3
GND	GND		REMOTE ❷	P21	39
		H	CUT IN HOLD	P34	1
		L	INSERT VIDEO	P15	49
			REMOTE ❸	P22	40

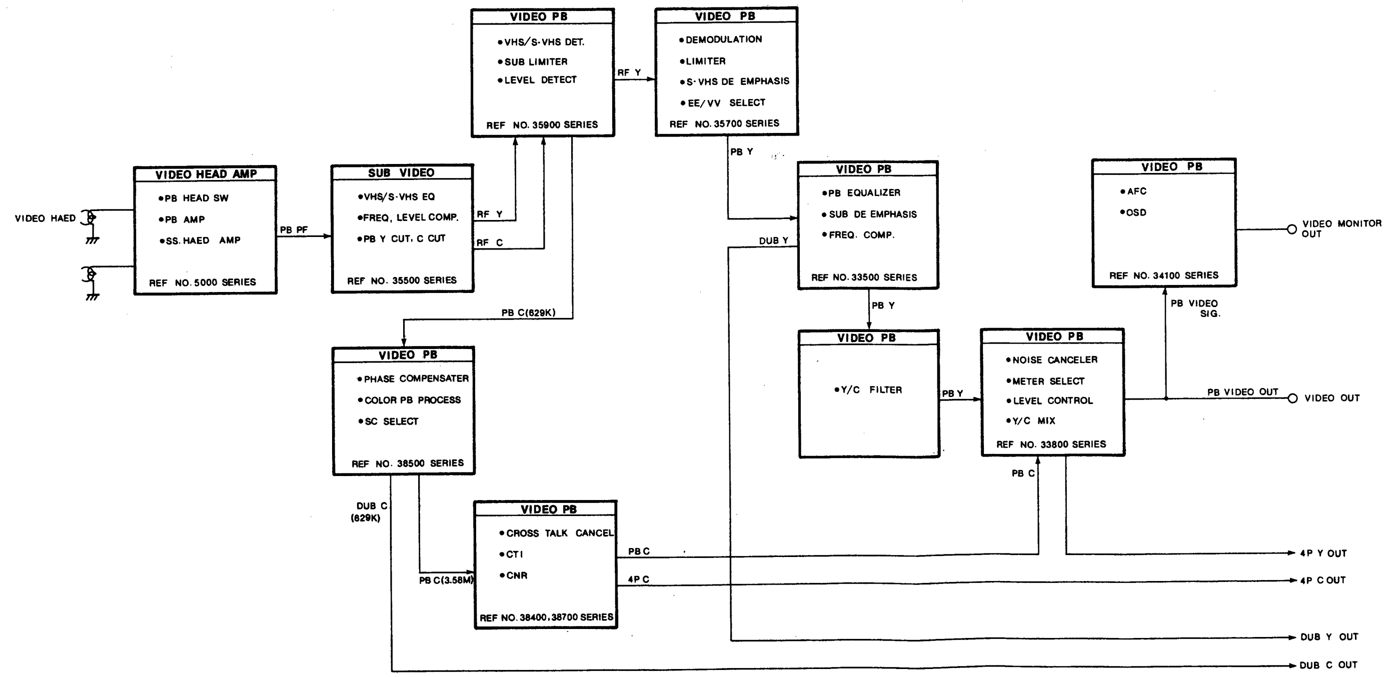

PIN NO.
QR8
QR9
QR10
Q1
Q2
QR2
QR1
QR6
QR7
QR5
QR4
+12V
34 PIN REMOTE CONNECTOR
P69002

C.B.A. (Ref. No. 69000 Series)

VIDEO REC OVERALL BLOCK DIAGRAM (AG-7750 ONLY)

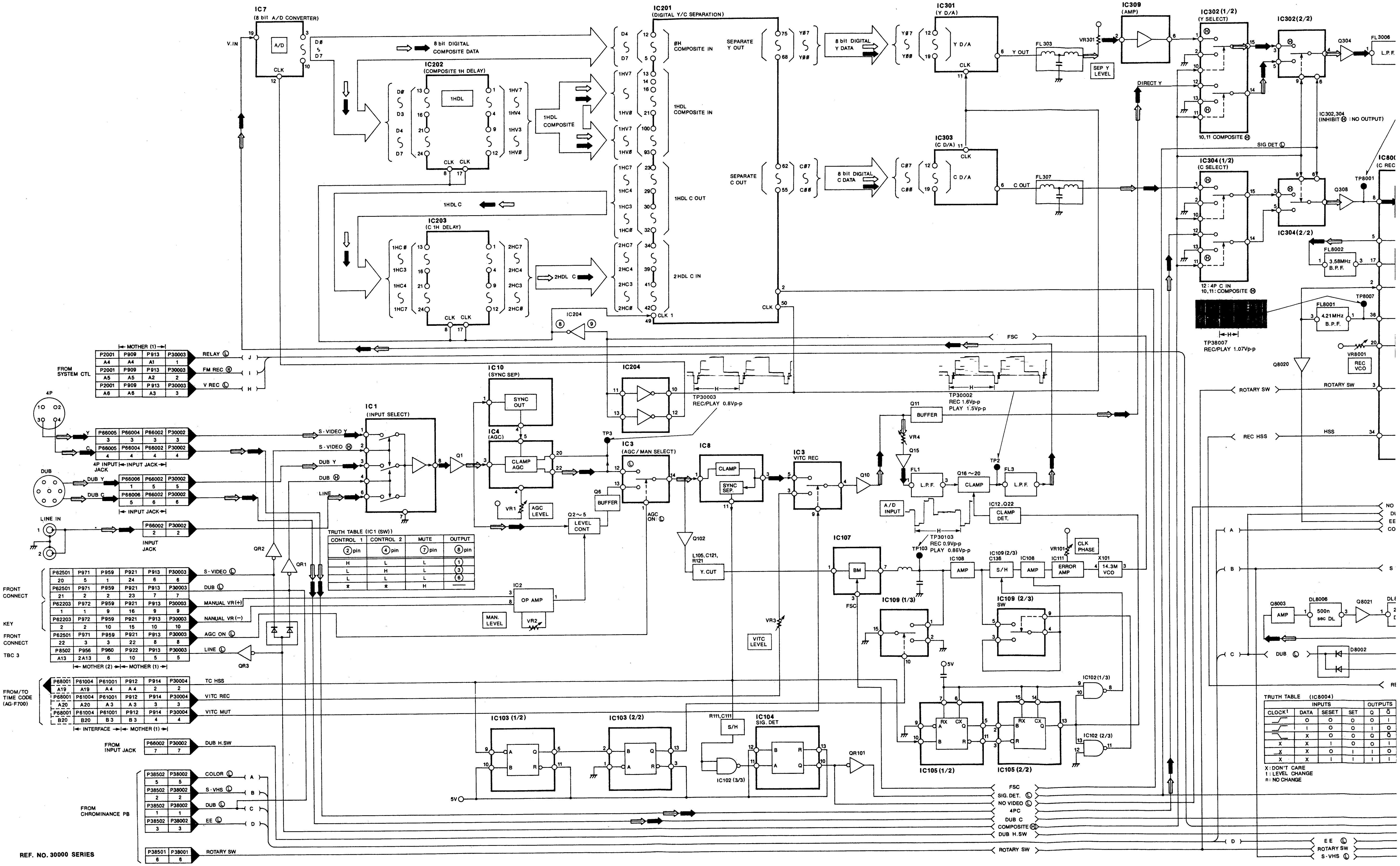

INPUT LINE
INPUT S-VIDEO
INPUT DUB
VIDEO REC
•INPUT SELECT
•VIDEO LEVEL CONTROL
•CLAMP
•AGC
•A/D
REF NO.30000 SERIES
8bit DIGITAL COMPOSITE DATA
VIDEO REC
•DELAY LINE
•DIGITAL Y/C SEPARATION
REF NO.30200 SERIES
CLK
VIDEO REC
•SIGNAL DETECT
•CLAMP PULSE
•CLK GENERATOR
REF NO.30100 SERIES
8bit DIGITAL Y DATA
8bit DIGITAL C DATA
VIDEO REC
•D/A
•COMPOSITE/COMPONENT SELECT
•Y,C OUTPUT
REF NO.30300 SERIES
Y
C
VIDEO REC
•Y REC PROCESS (S-VHS/VHS)
CLAMP
SUB EMPHASIS (S-VHS)
NL EMPHASIS (VHS)
EMPHASIS
W/D CLIP
FREQUENCY MODULATOR
REF NO.33000 SERIES
VIDEO REC
•C REC PROCESS (S-VHS/VHS)
ACC
BURST UP
MAIN BM
APC·AFC
•DUB H.SW PULSE DET.
•DUB SW
REF NO.38000 SERIES
S REC RF Y
V REC RF Y
C RF
VIDEO REC
•S-VHS/VHS SW
•BW/C SW
•REC CURR
•YC MIX
REF NO.35000 SERIES
REC RF(L)
REC RF(R)
VIDEO HEAD AMP
•REC AMP
REF NO.5000 SERIES
VIDEO (L) HEAD
VIDEO (R) HEAD

VIDEO PB OVERALL BLOCK DIAGRAM


VIDEO HAED
VIDEO HEAD AMP
•PB HEAD SW
•PB AMP
•SS. HAED AMP
REF NO. 5000 SERIES
PB PF
SUB VIDEO
•VHS/S-VHS EQ
•FREQ, LEVEL COMP.
•PB Y CUT, C CUT
REF NO. 35500 SERIES
RF Y
RF C
VIDEO PB
•VHS/S-VHS DET.
•SUB LIMITER
•LEVEL DETECT
REF NO. 35900 SERIES
RF Y
VIDEO PB
•DEMODULATION
•LIMITER
•S-VHS DE EMPHASIS
•EE/VV SELECT
REF NO. 35700 SERIES
PB Y
PB C(629K)
VIDEO PB
•PHASE COMPENSATER
•COLOR PB PROCESS
•SC SELECT
REF NO. 38500 SERIES
DUB C (629K)
PB C(3.58M)
VIDEO PB
•CROSS TALK CANCEL
•CTI
•CNR
REF NO. 38400, 38700 SERIES
PB C
4P C
VIDEO PB
•PB EQUALIZER
•SUB DE EMPHASIS
•FREQ. COMP.
REF NO. 33500 SERIES
DUB Y
PB Y
VIDEO PB
•Y/C FILTER
PB Y
VIDEO PB
•NOISE CANCELER
•METER SELECT
•LEVEL CONTROL
•Y/C MIX
REF NO. 33800 SERIES
PB C
PB VIDEO SIG.
VIDEO PB
•AFC
•OSD
REF NO. 34100 SERIES
VIDEO MONITOR OUT
PB VIDEO OUT
VIDEO OUT
4P Y OUT
4P C OUT
DUB Y OUT
DUB C OUT

VIDEO REC BLOCK DIAGRAM (AG-7750 ONLY)

MAIN SIGNAL PATH IN REC MODE (S-VHS) MAIN SIGNAL PATH IN REC MODE (VHS)



IC7
(8 bit A/D CONVERTER)
V.IN
A/D
CLK
8 bit DIGITAL COMPOSITE DATA
IC202
(COMPOSITE 1H DELAY)
1HDL
1HDL COMPOSITE
IC203
(C 1H DELAY)
1HDL C
2HDL C
IC201
(DIGITAL Y/C SEPARATION)
8H COMPOSITE IN
1HDL COMPOSITE IN
1HDL C OUT
2HDL C IN
SEPARATE Y OUT
SEPARATE C OUT
CLK 1
IC204
8 bit DIGITAL Y DATA
8 bit DIGITAL C DATA
IC301
(Y D/A)
Y D/A
IC303
(C D/A)
C D/A
Y OUT
C OUT
FL303
FL307
VR301
SEP Y LEVEL
IC309
(AMP)
DIRECT Y
IC302(1/2)
(Y SELECT)
IC302(2/2)
10,11 COMPOSITE Ⓗ
IC302,304 (INHIBIT Ⓗ : NO OUTPUT)
SIG DET Ⓛ
IC304(1/2)
(C SELECT)
IC304(2/2)
12 : 4P C IN
10,11 : COMPOSITE Ⓗ
Q304
Q308
FL3006
L.P.F.
TP8001
FL8002
3.58MHz B.P.F.
TP8007
FL8001
4.21MHz B.P.F.
TP38007
REC/PLAY 1.07Vp-p
VR8001
REC VCO
Q8020
FSC
RELAY Ⓛ
FM REC Ⓗ
V REC Ⓛ
FROM SYSTEM CTL
MOTHER (1)
4P
DUB
S-VIDEO Y
S-VIDEO Ⓗ
DUB Y
DUB Ⓗ
LINE
4P INPUT JACK
INPUT JACK
LINE IN
INPUT JACK
IC10
(SYNC SEP)
SYNC OUT
IC4
(AGC)
CLAMP AGC
VR1
AGC LEVEL
IC1
(INPUT SELECT)
Q1
TP3
IC3
(AGC/MAN SELECT)
AGC ON : Ⓛ
Q6
BUFFER
Q2~5
LEVEL CONT
TP30003
REC/PLAY 0.8Vp-p
IC8
CLAMP
SYNC SEP.
IC3
VITC REC
Q10
Q11
BUFFER
VR4
Q15
FL1
L.P.F.
Q16~20
CLAMP
TP2
FL3
L.P.F.
TP30002
REC 1.6Vp-p
PLAY 1.5Vp-p
A/D INPUT
IC12,Q22
CLAMP DET.
TP30103
REC 0.9Vp-p
PLAY 0.86Vp-p
TP103
Q102
L105, C121, R121
Y. CUT
IC107
BM
FSC
IC108
AMP
IC109(2/3)
C136
S/H
IC108
AMP
VR101
IC111
ERROR AMP
CLK PHASE
X101
14.3M VCO
IC109 (1/3)
IC109 (2/3)
SW
VR3
VITC LEVEL
5V
IC102(1/3)
IC102 (2/3)
IC105(1/2)
IC105(2/2)
RX CX
IC103 (1/2)
IC103 (2/2)
R111,C111
S/H
IC102 (3/3)
IC104
SIG. DET
QR101
5V
QR1
QR2
QR3
IC2
OP AMP
MAN. LEVEL
VR2
FRONT CONNECT
KEY
FRONT CONNECT
TBC 3
S-VIDEO Ⓛ
DUB Ⓛ
MANUAL VR(+)
MANUAL VR(−)
AGC ON Ⓛ
LINE Ⓛ
MOTHER (2)
MOTHER (1)
FROM/TO TIME CODE (AG-F700)
TC HSS
VITC REC
VITC MUT
INTERFACE
FROM INPUT JACK
DUB H.SW
FROM CHROMINANCE PB
COLOR Ⓛ
S-VHS Ⓛ
DUB Ⓛ
EE Ⓛ
ROTARY SW
FSC
SIG.DET. Ⓛ
NO VIDEO Ⓛ
4PC
DUB C
COMPOSITE Ⓗ
DUB H.SW
ROTARY SW
REC HSS
HSS
Q8003
AMP
DL8006
500n sec DL
Q8021
D8002
EE Ⓛ
ROTARY SW
S-VHS Ⓛ
IC80
(C REC

TRUTH TABLE (IC1 (SW))

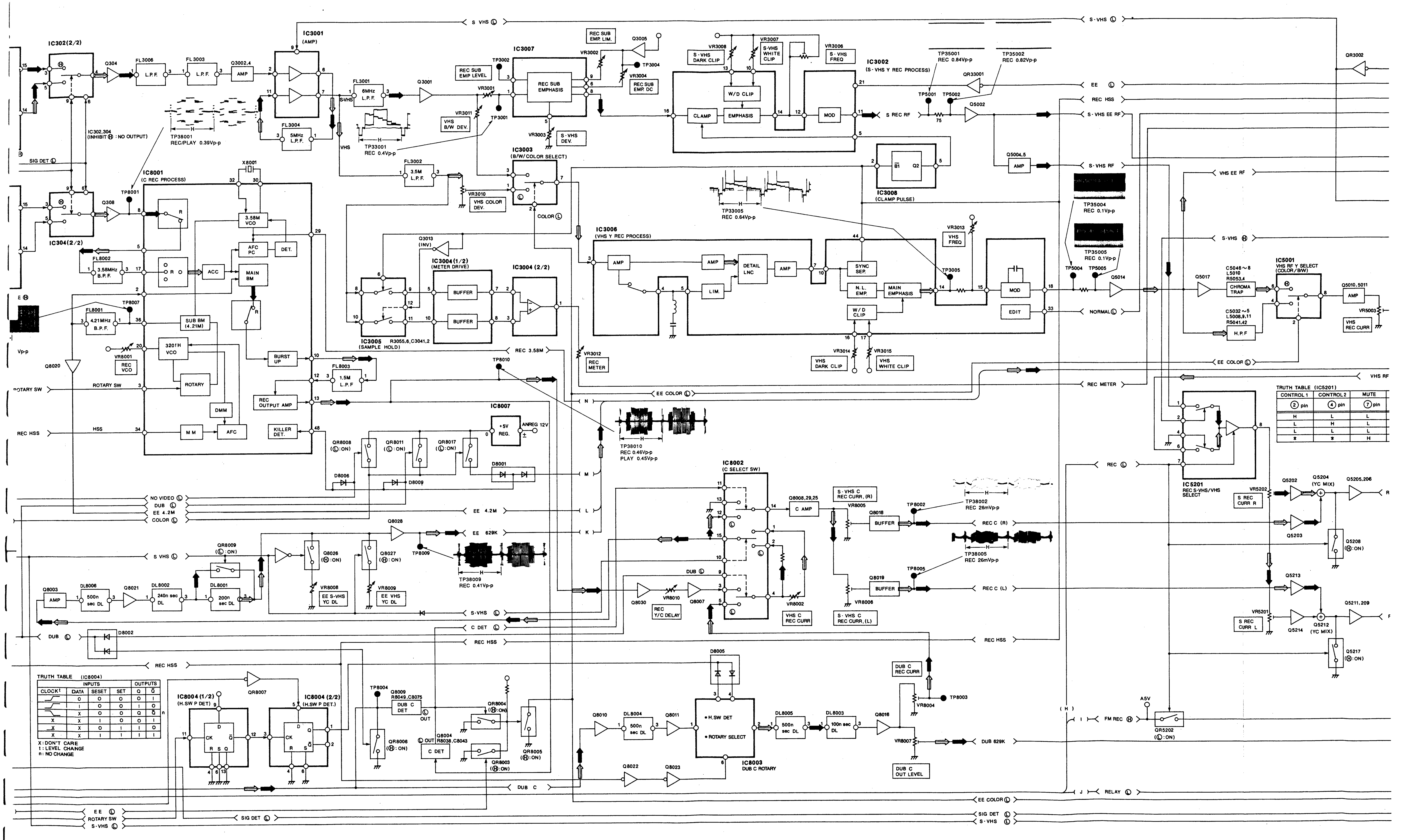
CONTROL 1	CONTROL 2	MUTE	OUTPUT
②pin	④pin	⑦pin	⑧pin
H	L	L	①
L	H	L	③
L	L	L	⑥
*	*	H	—

TRUTH TABLE (IC8004)

INPUTS				OUTPUTS	
CLOCK^t	DATA	SESET	SET	Q	$\bar{Q}$
↑	O	O	O	O	I
↑	I	O	O	I	O
↓	X	O	O	Q	$\bar{Q}$
X	X	I	O	O	I
X	X	O	I	I	O
X	X	I	I	I	I

X : DON'T CARE
t : LEVEL CHANGE
n : NO CHANGE

REF. NO. 30000 SERIES


S VHS Ⓛ
IC302(2/2)
IC304(2/2)
IC302,304 (INHIBIT Ⓗ : NO OUTPUT)
SIG DET Ⓛ
Q304
Q308
FL3006 L.P.F.
FL3003 L.P.F.
Q3002,4 AMP
IC3001 (AMP)
FL3004 5MHz L.P.F.
FL3001 6MHz L.P.F.
Q3001
TP38001 REC/PLAY 0.39Vp-p
TP33001 REC 0.4Vp-p
S-VHS
VHS
VR3001
VR3011 VHS B/W DEV.
TP3001
TP3002
REC SUB EMP LEVEL
IC3007
REC SUB EMPHASIS
REC SUB EMP. LIM.
Q3005
VR3002
VR3004 REC SUB EMP. DC
TP3004
VR3003 S·VHS DEV.
VR3008 S·VHS DARK CLIP
VR3007 S-VHS WHITE CLIP
VR3006 S·VHS FREQ
IC3002 (S·VHS Y REC PROCESS)
W/D CLIP
CLAMP
EMPHASIS
MOD
S REC RF
TP35001 REC 0.84Vp-p
TP35002 REC 0.82Vp-p
QR33001
TP5001
TP5002
Q5002
EE Ⓛ
REC HSS
S·VHS EE RF
Q5004,5 AMP
S·VHS RF
QR3002
FL3002 3.5M L.P.F.
VR3010 VHS COLOR DEV.
IC3003 (B/W/COLOR SELECT)
COLOR Ⓛ
IC3008 (CLAMP PULSE)
B1 Q2
TP33005 REC 0.64Vp-p
TP35004 REC 0.1Vp-p
TP35005 REC 0.1Vp-p
VHS EE RF
S·VHS Ⓗ
IC8001 (C REC PROCESS)
X8001
TP8001
3.58M VCO
AFC PC
DET.
ACC
MAIN BM
FL8002 3.58MHz B.P.F.
FL8001 4.21MHz B.P.F.
TP8007
SUB BM (4.21M)
320fH VCO
VR8001 REC VCO
ROTARY
DMM
MM
AFC
BURST UP
REC OUTPUT AMP
KILLER DET.
FL8003 1.5M L.P.F.
Q8020
ROTARY SW
REC HSS
HSS
Q3013 (INV)
IC3004(1/2) (METER DRIVE)
BUFFER
IC3004 (2/2)
IC3005 (SAMPLE HOLD)
R3055,6,C3041,2
VR3012 REC METER
REC 3.58M
IC3006 (VHS Y REC PROCESS)
AMP
DETAIL LNC
LIM.
SYNC SEP.
N.L. EMP.
MAIN EMPHASIS
W/D CLIP
MOD
EDIT
VR3013 VHS FREQ
TP3005
VR3014 VHS DARK CLIP
VR3015 VHS WHITE CLIP
TP5004
TP5005
Q5014
Q5017
NORMAL Ⓛ
C5046~8 L5010 R5053,4 CHROMA TRAP
C5032~5 L5008,9,11 R5041,42 H.P.F
IC5001 VHS RF Y SELECT (COLOR/BW)
Q5010,5011 AMP
VR5003 VHS REC CURR
EE COLOR Ⓛ
VHS RF
REC METER
TP8010
IC8007 +5V REG.
ANREG 12V
QR8008 (Ⓛ:ON)
QR8011 (Ⓛ:ON)
QR8017 (Ⓛ:ON)
D8001
D8006
D8009
TP38010 REC 0.46Vp-p PLAY 0.45Vp-p
NO VIDEO Ⓛ
DUB Ⓛ
EE 4.2M Ⓛ
COLOR Ⓛ
EE 4.2M
EE 629K
Q8028
TP8009
TP38009 REC 0.41Vp-p
S VHS Ⓛ
QR8009 (Ⓛ:ON)
Q8026 (Ⓗ:ON)
Q8027 (Ⓗ:ON)
VR8008 EE S-VHS YC DL
VR8009 EE VHS YC DL
Q8003 AMP
DL8006 500n sec DL
Q8021
DL8002 240n sec DL
DL8001 200n sec DL
S-VHS Ⓛ
DUB Ⓛ
D8002
C DET Ⓛ
REC HSS
IC8002 (C SELECT SW)
Q8008,29,25 C AMP
Q8030
VR8010 REC Y/C DELAY
Q8007
VR8002 VHS C REC CURR
S·VHS C REC CURR. (R)
VR8005
Q8018 BUFFER
TP8002
TP38002 REC 26mVp-p
REC C (R)
TP38005 REC 26mVp-p
TP8005
Q8019 BUFFER
REC C (L)
VR8006
S·VHS C REC CURR. (L)
REC Ⓛ
IC5201 REC S-VHS/VHS SELECT
VR5202 S REC CURR R
Q5202
Q5203
Q5204 (YC MIX)
Q5205,206
Q5208 (Ⓗ:ON)
Q5213
VR5201 S REC CURR L
Q5214
Q5212 (YC MIX)
Q5211,209
Q5217 (Ⓗ:ON)
REC HSS
TP8004
Q8009 R8049,C8075 DUB C DET
Q8004 R8038,C8043 C DET
QR8004 (Ⓗ:ON)
QR8003 (Ⓗ:ON)
QR8005 (Ⓗ:ON)
QR8006 (Ⓗ:ON)
QR8007
IC8004 (1/2) (H.SW P DET)
IC8004 (2/2) (H.SW P DET.)
D8005
Q8010
DL8004 500n sec DL
Q8011
IC8003 DUB C ROTARY
H.SW DET
ROTARY SELECT
DL8005 500n sec DL
DL8003 100n sec DL
Q8016
VR8007 DUB C OUT LEVEL
DUB C REC CURR
VR8004
TP8003
DUB 629K
Q8022
Q8023
DUB C
A5V
QR5202 (Ⓛ:ON)
FM REC Ⓗ
RELAY Ⓛ
EE COLOR Ⓛ
SIG DET Ⓛ
S·VHS Ⓛ
EE Ⓛ
ROTARY SW
S-VHS Ⓛ
SIG DET Ⓛ

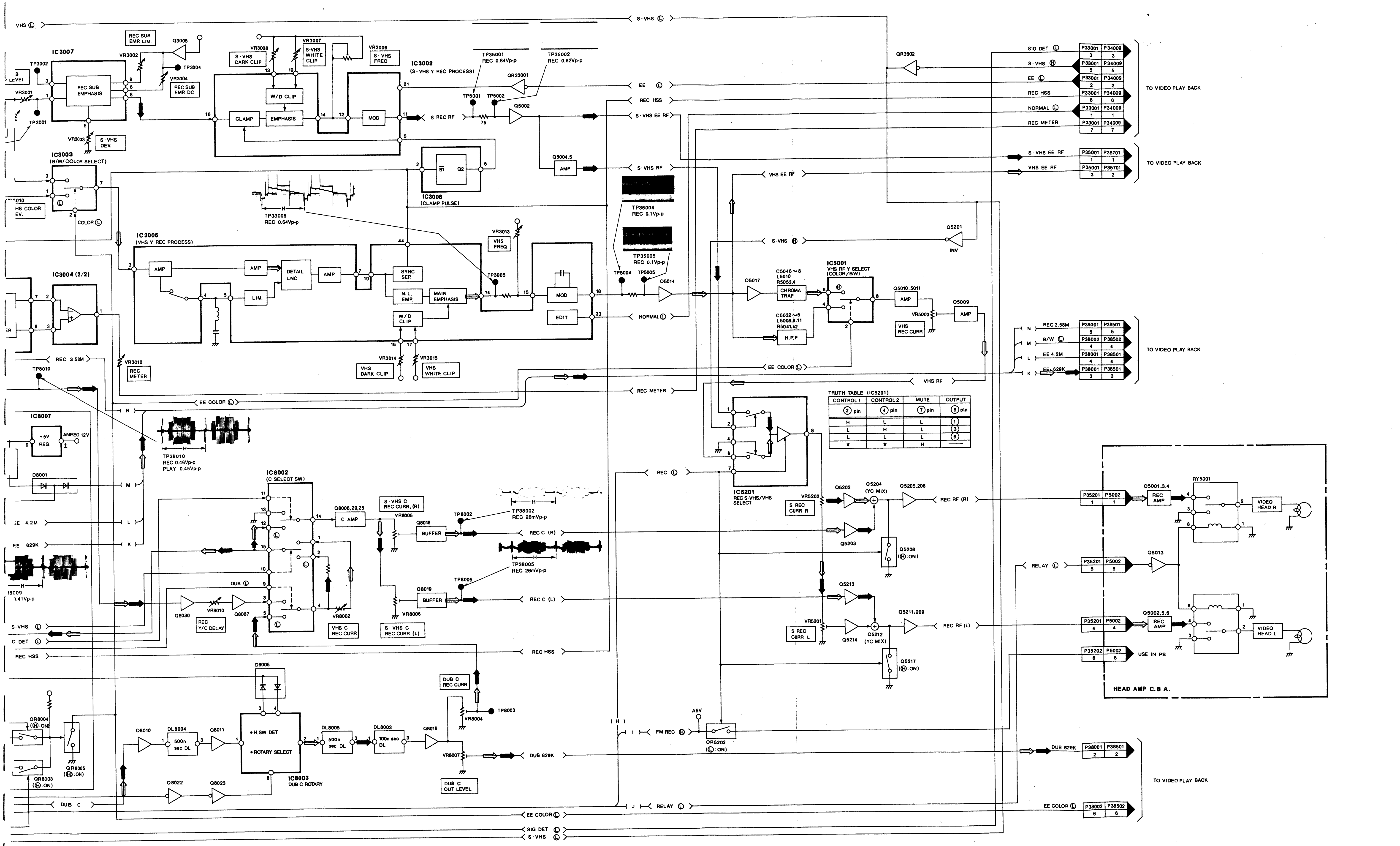
TRUTH TABLE (IC8004)

INPUTS				OUTPUTS		
CLOCK t	DATA	SESET	SET	Q	Q̄	
↑	0	0	0	0	1	
↑	1	0	0	1	0	
↓	X	0	0	Q	Q̄	n
X	X	1	0	0	1	
X	X	0	1	1	0	
X	X	1	1	1	1	

X: DON'T CARE
t : LEVEL CHANGE
n: NO CHANGE

TRUTH TABLE (IC5201)

CONTROL 1	CONTROL 2	MUTE
② pin	④ pin	⑦ pin
H	L	L
L	H	L
L	L	L
*	*	H

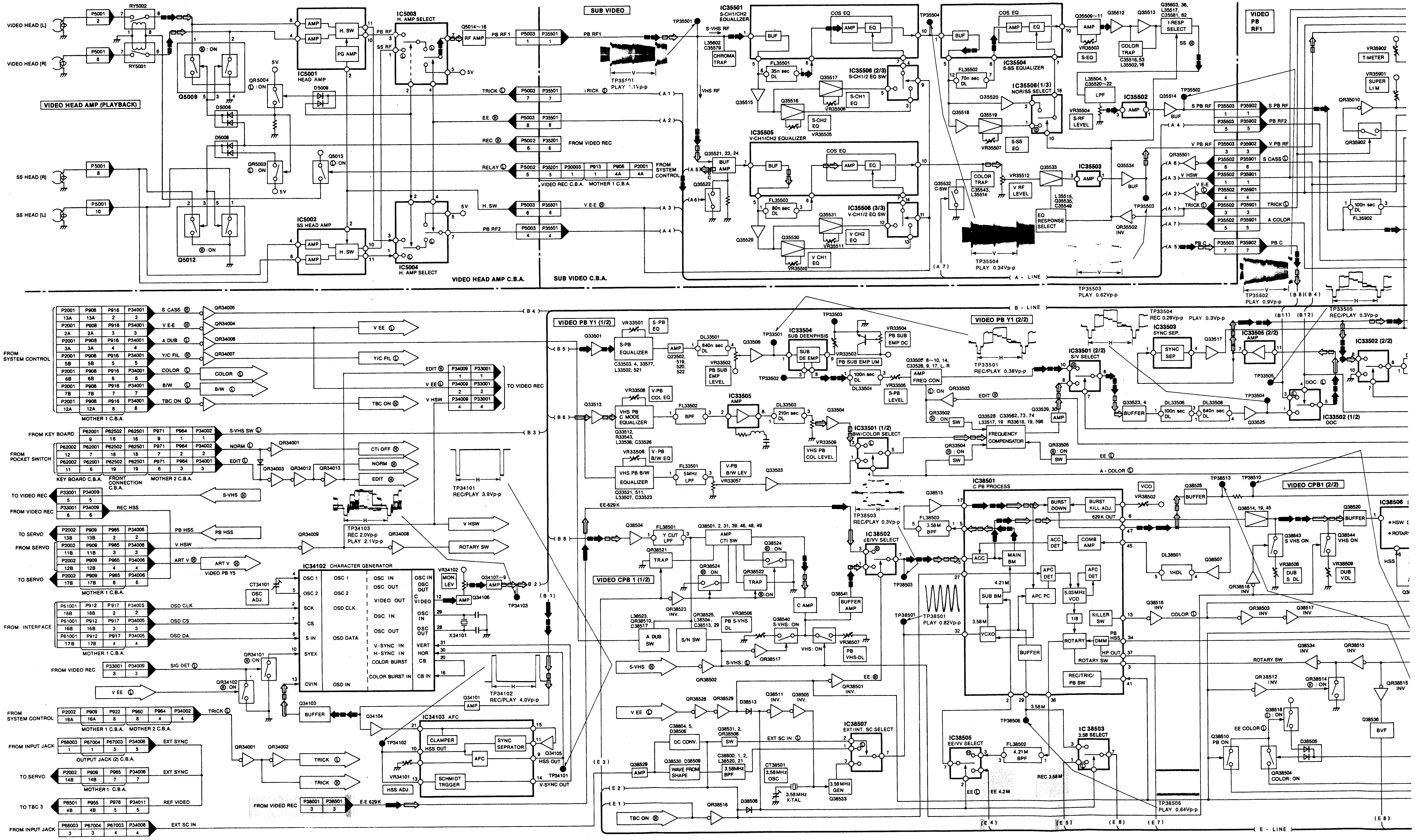

VHS Ⓛ
S-VHS Ⓛ
IC3007
REC SUB EMPHASIS
REC SUB EMP. LIM.
REC SUB EMP. DC
TP3002
TP3001
TP3004
VR3001
VR3002
VR3003
VR3004
S-VHS DEV.
Q3005
IC3003 (B/W/COLOR SELECT)
COLOR Ⓛ
HS COLOR DEV.
IC3004 (2/2)
VR3008
S-VHS DARK CLIP
VR3007
S-VHS WHITE CLIP
VR3006
S-VHS FREQ
IC3002 (S-VHS Y REC PROCESS)
W/D CLIP
CLAMP
EMPHASIS
MOD
S REC RF
TP35001 REC 0.84Vp-p
TP35002 REC 0.82Vp-p
TP5001
TP5002
QR33001
Q5002
Q5004,5
AMP
IC3008 (CLAMP PULSE)
TP33005 REC 0.64Vp-p
IC3006 (VHS Y REC PROCESS)
AMP
LIM.
DETAIL LNC
SYNC SEP.
N.L. EMP.
MAIN EMPHASIS
W/D CLIP
EDIT
VR3013
VHS FREQ
TP3005
VR3014
VHS DARK CLIP
VR3015
VHS WHITE CLIP
VR3012
REC METER
REC 3.58M
TP8010
EE COLOR Ⓛ
IC8007
+5V REG.
ANREG 12V
D8001
EE 4.2M
EE 629K
TP38010 REC 0.46Vp-p PLAY 0.45Vp-p
IC8002 (C SELECT SW)
DUB Ⓛ
Q8030
VR8010
REC Y/C DELAY
Q8007
VR8002
VHS C REC CURR
Q8008,29,25
C AMP
S-VHS C REC CURR. (R)
VR8005
Q8018
BUFFER
TP8002
TP38002 REC 26mVp-p
REC C (R)
TP38005 REC 26mVp-p
Q8019
TP8005
REC C (L)
VR8006
S-VHS C REC CURR. (L)
S-VHS Ⓛ
C DET Ⓛ
REC HSS
D8005
Q8010
DL8004 500n sec DL
Q8011
IC8003 DUB C ROTARY
H.SW DET
ROTARY SELECT
DL8005 500n sec DL
DL8003 100n sec DL
Q8016
DUB C REC CURR
TP8003
VR8004
VR8007
DUB C OUT LEVEL
DUB 629K
Q8022
Q8023
QR8004 (Ⓗ:ON)
QR8005 (Ⓗ:ON)
QR8003 (Ⓗ:ON)
DUB C
EE COLOR Ⓛ
SIG DET Ⓛ
S-VHS Ⓛ
EE Ⓛ
REC HSS
S-VHS EE RF
S-VHS RF
TP35004 REC 0.1Vp-p
TP35005 REC 0.1Vp-p
TP5004
TP5005
Q5014
NORMAL Ⓛ
VHS EE RF
S-VHS Ⓗ
Q5201
INV
QR3002
Q5017
C5046~8 L5010 R5053,4
CHROMA TRAP
C5032~5 L5008,9,11 R5041,42
H.P.F
IC5001 VHS RF Y SELECT (COLOR/BW)
Q5010,5011
AMP
Q5009
VR5003
VHS REC CURR
EE COLOR Ⓛ
VHS RF
REC METER
IC5201 REC S-VHS/VHS SELECT
REC Ⓛ
Q5202
Q5204 (YC MIX)
Q5205,206
VR5202
S REC CURR R
Q5203
Q5206 (Ⓗ:ON)
REC RF (R)
Q5213
VR5201
S REC CURR L
Q5214
Q5212 (YC MIX)
Q5211,209
Q5217 (Ⓗ:ON)
REC RF (L)
RELAY Ⓛ
A5V
FM REC Ⓗ
QR5202 (Ⓛ:ON)
RELAY Ⓛ
SIG DET Ⓛ
S-VHS Ⓗ
EE Ⓛ
REC HSS
NORMAL Ⓛ
REC METER
P33001 P34009
TO VIDEO PLAY BACK
S-VHS EE RF
VHS EE RF
P35001 P35701
TO VIDEO PLAY BACK
REC 3.58M
B/W Ⓛ
EE 4.2M
EE 629K
P38001 P38501
P38002 P38502
TO VIDEO PLAY BACK
P35201 P5002
Q5001,3,4
REC AMP
RY5001
VIDEO HEAD R
Q5013
Q5002,5,6
VIDEO HEAD L
P35202 P5002
USE IN PB
HEAD AMP C.B A.
DUB 629K
P38001 P38501
EE COLOR Ⓛ
P38002 P38502
TO VIDEO PLAY BACK

TRUTH TABLE (IC5201)

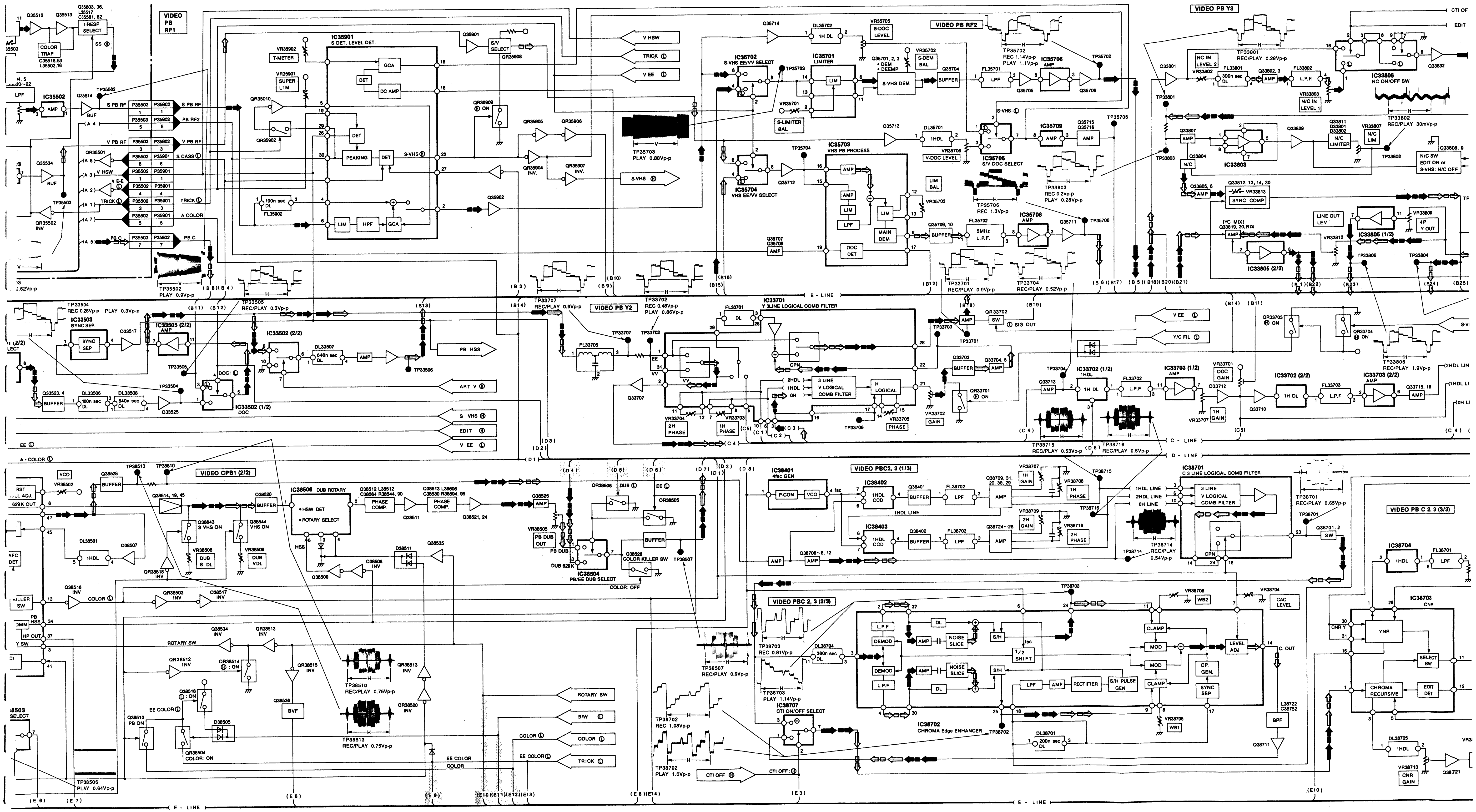
CONTROL 1	CONTROL 2	MUTE	OUTPUT
② pin	④ pin	⑦ pin	⑧ pin
H	L	L	①
L	H	L	③
L	L	L	⑥
*	*	H	—

VIDEO PB BLOCK DIAGRAM

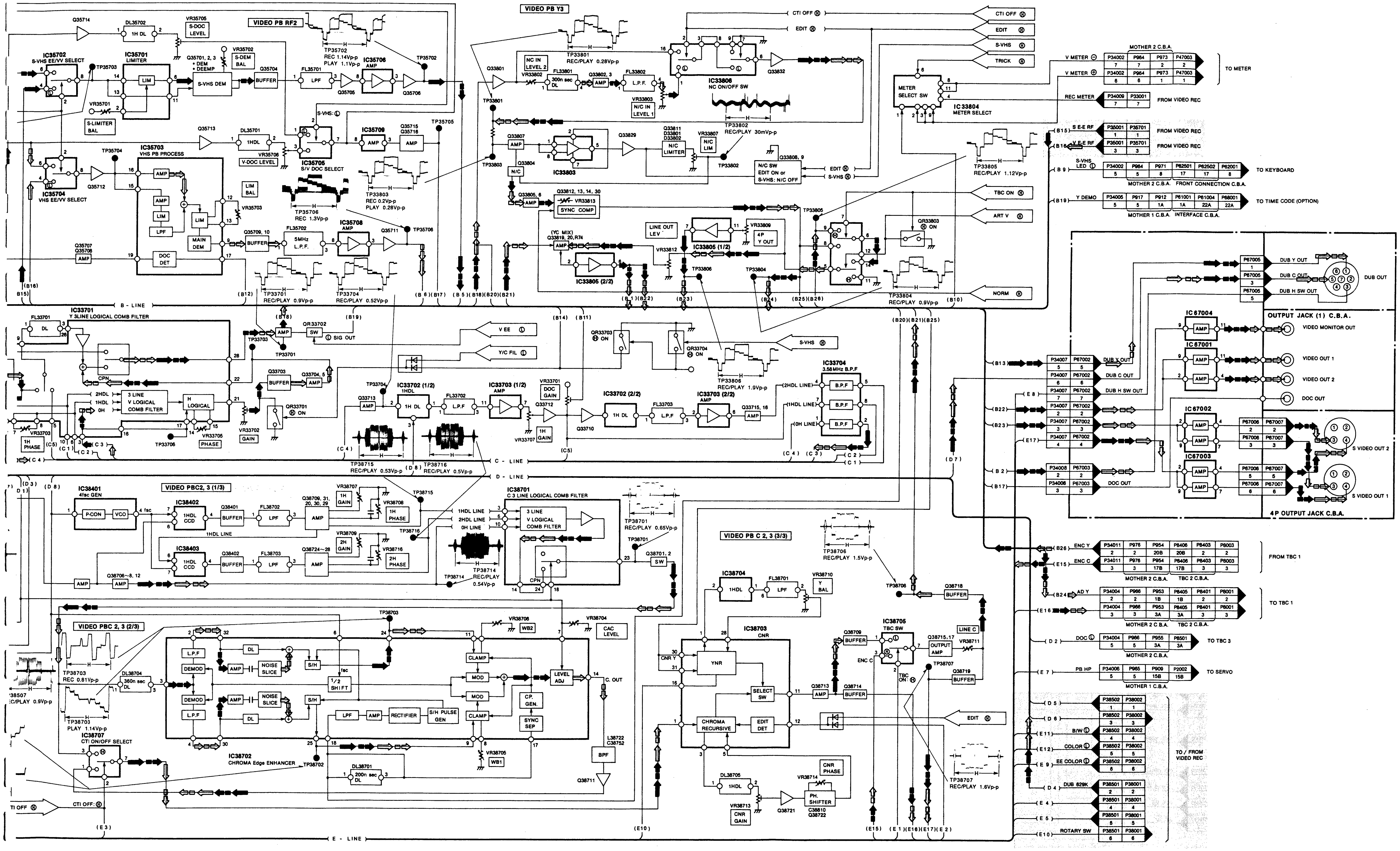
MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)   MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)   MAIN SIG


VIDEO HEAD [L]
VIDEO HEAD [R]
SS HEAD [R]
SS HEAD [L]
VIDEO HEAD AMP (PLAYBACK)
RY5001
RY5002
Q5009
Q5012
Q5013
QR5003
QR5004
D5006
D5008
D5009
IC5001 HEAD AMP
IC5002 SS HEAD AMP
IC5003 H. AMP SELECT
IC5004 H. AMP SELECT
H. SW
PG AMP
RF AMP
Q5014~16
PB RF1
PB RF2
TRICK
EE
REC
RELAY
FROM VIDEO REC
FROM SYSTEM CONTROL
VIDEO REC C.B.A.
MOTHER 1 C.B.A.
VIDEO HEAD AMP C.B.A.
SUB VIDEO
SUB VIDEO C.B.A.
IC35501 S-CH1/CH2 EQUALIZER
IC35505 V-CH1/CH2 EQUALIZER
IC35504 S-SS EQUALIZER
IC35506 (1/3) NOR/SS SELECT
IC35506 (2/3) S-CH1/2 EQ SW
IC35506 (3/3) V-CH1/2 EQ SW
IC35502 AMP
IC35503 AMP
COS EQ
CHROMA TRAP
COLOR TRAP
S-CH1 EQ
S-CH2 EQ
V CH1 EQ
V CH2 EQ
S-SS EQ
S-EQ
V RF LEVEL
S-RF LEVEL
EQ RESPONSE SELECT
f-RESP SELECT
TP35501 PLAY 1Vp-p
TP35504 PLAY 0.34Vp-p
TP35503 PLAY 0.62Vp-p
TP35502 PLAY 0.9Vp-p
VIDEO PB RF1
T-METER
SUPER LIM
S PB RF
V PB RF
PB C
S CASS
V HSW
V E-E
A COLOR
A - LINE
B - LINE
E - LINE
VIDEO PB Y1 (1/2)
VIDEO PB Y1 (2/2)
S-PB EQUALIZER
IC33504 SUB DEENPHSIS
SUB DE EMP
PB SUB EMP LEVEL
PB SUB EMP DC
AMP FREQ CON
S-PB LEVEL
IC33501 (2/2) S/V SELECT
IC33501 (1/2) B/W/COLOR SELECT
IC33503 SYNC SEP.
IC33505 (2/2) AMP
IC33502 (2/2)
IC33502 (1/2) DOC
VHS PB C MODE EQUALIZER
VHS PB B/W EQUALIZER
IC33505 AMP
FREQUENCY COMPENSATOR
TP33501 REC/PLAY 0.38Vp-p
TP33504 REC 0.28Vp-p PLAY 0.3Vp-p
TP33505 REC/PLAY 0.3Vp-p
FROM SYSTEM CONTROL
FROM KEY BOARD
FROM POCKET SWITCH
KEY BOARD C.B.A.
FRONT CONNECTION C.B.A.
MOTHER 2 C.B.A.
TO VIDEO REC
FROM VIDEO REC
TO SERVO
FROM SERVO
FROM INTERFACE
FROM INPUT JACK
OUTPUT JACK (2) C.B.A.
TO TBC 3
CTI OFF
NORM
EDIT
V HSW
ROTARY SW
ART V
PB HSS
TP34101 REC/PLAY 3.9Vp-p
TP34103 REC 2.0Vp-p PLAY 2.1Vp-p
TP34102 REC/PLAY 4.0Vp-p
IC34102 CHARACTER GENERATOR
IC34103 AFC
CLAMPER
SYNC SEPRATOR
SCHMIDT TRGGER
HSS ADJ.
OSC ADJ.
MON. LEV
TRICK
E-E 629K
VIDEO CPB 1 (1/2)
VIDEO CPB1 (2/2)
IC38501 C PB PROCESS
IC38502 EE/VV SELECT
IC38507 EXT/INT. SC SELECT
IC38505 EE/VV SELECT
IC38503 3.58 SELECT
IC38506
BURST DOWN
BURST KILL ADJ.
ACC DET
COMB AMP
MAIN BM
SUB BM
APC DET
APC PC
AFC DET
KILLER SW
VCXO
ROTARY
DMM
BUFFER
REC/TRIC/ PB SW
1HDL
DUB S DL
DUB VDL
Y CUT LPF
AMP CTI SW
TRAP
C AMP
BUFFER AMP
A DUB SW
S/N SW
PB S-VHS DL
PB VHS-DL
DC CONV.
WAVE FROM SHAPE
3.58MHz OSC
3.58MHz GEN
3.58 MHz X-TAL
TBC ON
S-VHS
V EE
COLOR
TP38503 REC/PLAY 0.3Vp-p
TP38501 PLAY 0.82Vp-p
TP38506 PLAY 0.64Vp-p
EE COLOR
REC 3.58M
EE 4.2M

ACK MODE (VHS) ◀ MAIN SIGNAL PATH IN REC MODE (S-VHS) ⇦ MAIN SIGNAL PATH IN REC MODE (VHS)

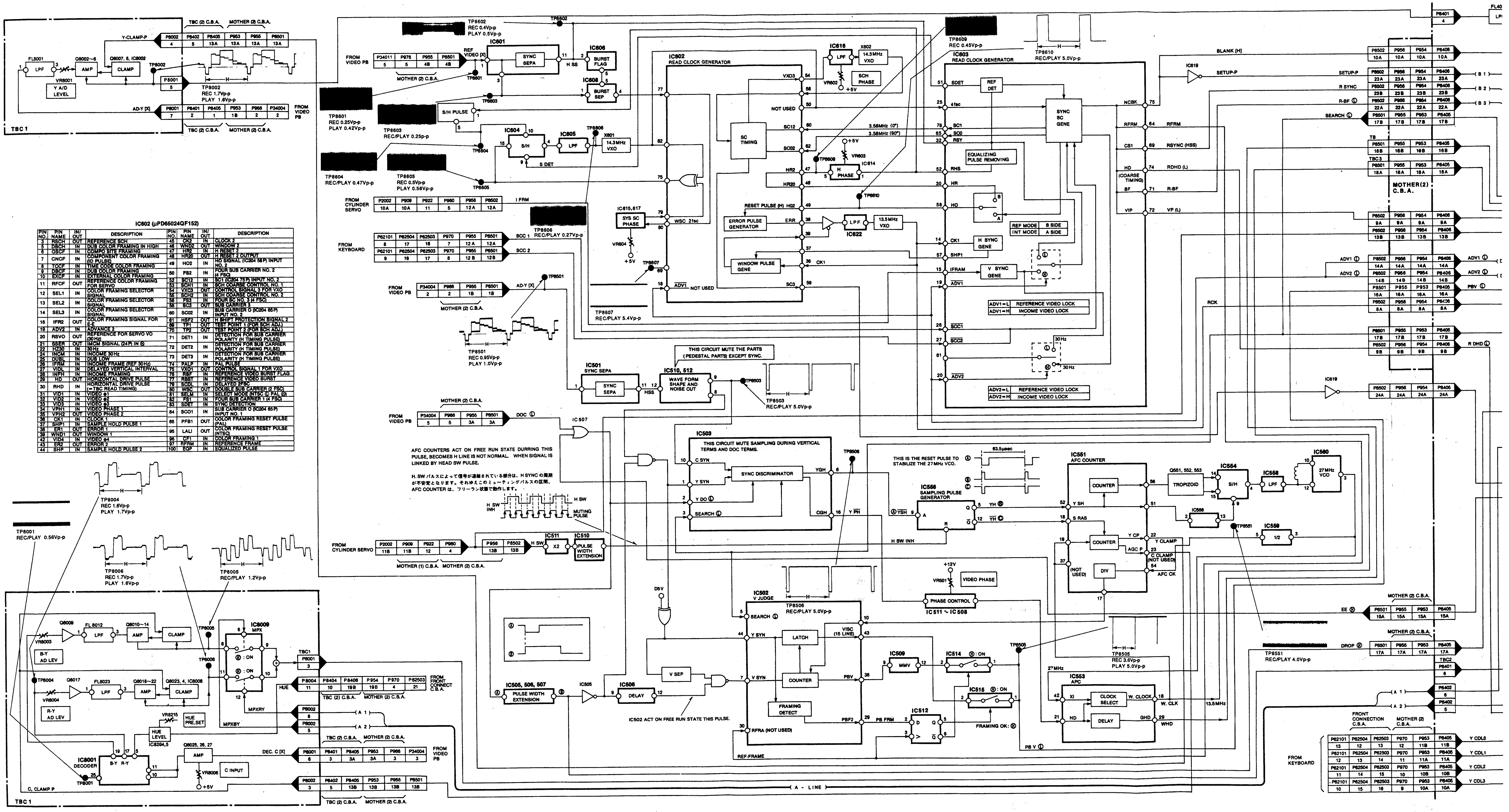

VIDEO PB RF1
IC35502
IC35901 S DET, LEVEL DET.
GCA
DET
DC AMP
PEAKING
LIM
HPF
IC35702 S-VHS EE/VV SELECT
IC35704 VHS EE/VV SELECT
IC35701 LIMITER
IC35703 VHS PB PROCESS
S-VHS DEM
VIDEO PB RF2
IC35706 AMP
IC35709
IC35705 S/V DOC SELECT
IC35708 AMP
VIDEO PB Y3
IC33806 NC ON/OFF SW
IC33803
IC33805 (1/2)
IC33805 (2/2)
B - LINE
IC33503 SYNC SEP.
IC33505 (2/2) AMP
IC33502 (2/2)
IC33502 (1/2) DOC
VIDEO PB Y2
IC33701 Y 3LINE LOGICAL COMB FILTER
IC33702 (1/2) 1HDL
IC33703 (1/2) AMP
IC33702 (2/2)
IC33703 (2/2) AMP
C - LINE
D - LINE
VIDEO CPB1 (2/2)
IC38506 DUB ROTARY
IC38504 PB/EE DUB SELECT
IC38401 4fsc GEN
VIDEO PBC2, 3 (1/3)
IC38402 1HDL CCD
IC38403 1HDL CCD
IC38701 C 3 LINE LOGICAL COMB FILTER
VIDEO PB C 2, 3 (3/3)
IC38704
IC38703 CNR
VIDEO PBC 2, 3 (2/3)
IC38702 CHROMA Edge ENHANCER
IC38707 CTI ON/OFF SELECT
E - LINE

NAL PATH IN REC MODE (VHS)



VIDEO PB RF2
VIDEO PB Y3
VIDEO PBC2, 3 (1/3)
VIDEO PBC 2, 3 (2/3)
VIDEO PB C 2, 3 (3/3)
IC35702 S-VHS EE/VV SELECT
IC35701 LIMITER
IC35703 VHS PB PROCESS
IC35704 VHS EE/VV SELECT
IC35705 S/V DOC SELECT
IC35706 AMP
IC35708 AMP
IC35709
DL35702 1H DL
DL35701 1HDL
S-VHS DEM
BUFFER
LPF
LIM
MAIN DEM
DOC DET
5MHz L.P.F.
S-LIMITER BAL
S-DOC LEVEL
S-DEM BAL
V-DOC LEVEL
TP35702 REC 1.14Vp-p PLAY 1.1Vp-p
TP35706 REC 1.3Vp-p
TP33701 REC/PLAY 0.9Vp-p
TP33704 REC/PLAY 0.52Vp-p
TP33801 REC/PLAY 0.28Vp-p
TP33803 REC 0.2Vp-p PLAY 0.28Vp-p
TP33802 REC/PLAY 30mVp-p
TP33805 REC/PLAY 1.12Vp-p
TP33804 REC/PLAY 0.9Vp-p
TP33806 REC/PLAY 1.9Vp-p
IC33806 NC ON/OFF SW
IC33803
IC33804 METER SELECT
METER SELECT SW
IC33805 (1/2)
IC33805 (2/2)
N/C LIMITER
N/C LIM
N/C SW EDIT ON or S-VHS: N/C OFF
SYNC COMP
LINE OUT LEV
4P Y OUT
NC IN LEVEL 2
N/C IN LEVEL 1
300n sec DL
L.P.F.
CTI OFF
EDIT
S-VHS
TRICK
TBC ON
ART V
NORM
B - LINE
C - LINE
D - LINE
E - LINE
IC33701 Y 3LINE LOGICAL COMB FILTER
3 LINE V LOGICAL COMB FILTER
H LOGICAL
CPN
V EE
Y/C FIL
SIG OUT
IC33702 (1/2) 1HDL
IC33702 (2/2)
IC33703 (1/2) AMP
IC33703 (2/2) AMP
IC33704 3.58MHz B.P.F
B.P.F
1H DL
DOC GAIN
1H GAIN
GAIN
PHASE
1H PHASE
TP38715 REC/PLAY 0.53Vp-p
TP38716 REC/PLAY 0.5Vp-p
IC38401 4fsc GEN
P-CON
VCO
IC38402 1HDL CCD
IC38403 1HDL CCD
1H GAIN
1H PHASE
2H GAIN
2H PHASE
IC38701 C 3 LINE LOGICAL COMB FILTER
1HDL LINE
2HDL LINE
0H LINE
TP38701 REC/PLAY 0.65Vp-p
TP38714 REC/PLAY 0.54Vp-p
TP38706 REC/PLAY 1.5Vp-p
TP38703 REC 0.61Vp-p PLAY 1.14Vp-p
TP38707 REC/PLAY 1.6Vp-p
IC38702 CHROMA Edge ENHANCER
DL38704 360n sec DL
DEMOD
NOISE SLICE
S/H
1/2 SHIFT
CLAMP
MOD
LEVEL ADJ
CP. GEN.
SYNC SEP
RECTIFIER
S/H PULSE GEN
WB1
WB2
CAC LEVEL
C. OUT
BPF
DL38701 200n sec DL
IC38707 CTI ON/OFF SELECT
CTI OFF
IC38704 1HDL
IC38703 CNR
YNR
SELECT SW
CHROMA RECURSIVE
EDIT DET
CNR Y
DL38705 1HDL
CNR GAIN
PH. SHIFTER
CNR PHASE
Y BAL
IC38705 TBC SW
LINE C
OUTPUT AMP
ENC C
TBC ON
V METER ⊖
V METER ⊕
REC METER
TO METER
FROM VIDEO REC
S E-E RF
V E-E RF
S-VHS LED
Y DEMO
TO KEYBOARD
TO TIME CODE (OPTION)
MOTHER 2 C.B.A.
MOTHER 1 C.B.A.
FRONT CONNECTION C.B.A.
INTERFACE C.B.A.
IC67004
IC67001
IC67002
IC67003
DUB Y OUT
DUB C OUT
DUB H SW OUT
DUB OUT
OUTPUT JACK (1) C.B.A.
VIDEO MONITOR OUT
VIDEO OUT 1
VIDEO OUT 2
DOC OUT
S VIDEO OUT 2
S VIDEO OUT 1
4P OUTPUT JACK C.B.A.
ENC Y
ENC C
FROM TBC 1
AD Y
TO TBC 1
TBC 2 C.B.A.
DOC
TO TBC 3
PB HP
TO SERVO
B/W
COLOR
EE COLOR
DUB 629K
ROTARY SW
TO / FROM VIDEO REC

TBC BLOCK DIAGRAM


TBC 1
TBC (2) C.B.A.
MOTHER (2) C.B.A.
Y-CLAMP-P
FL8001
LPF
Q8002~6
AMP
Q8007, 8, IC8002
CLAMP
TP8002
VR8001
Y A/D LEVEL
AD-Y
TP8002
REC 1.7Vp-p
PLAY 1.6Vp-p
FROM VIDEO PB
TP8602
REC 0.4Vp-p
PLAY 0.5Vp-p
REF VIDEO
IC601
SYNC SEPA
H SS
IC606
BURST FLAG
IC608
BURST SEP
TP8601
REC 0.25Vp-p
PLAY 0.42Vp-p
S/H PULSE
TP8603
REC/PLAY 0.25p-p
IC604
S/H
S DET
IC605
LPF
TP8606
X601
14.3MHz VXO
TP8604
REC/PLAY 0.47Vp-p
TP8605
REC 0.5Vp-p
PLAY 0.56Vp-p
FROM CYLINDER SERVO
I FRM
FROM KEYBOARD
SCC 1
SCC 2
TP8606
REC/PLAY 0.27Vp-p
IC615,617
SYS SC PHASE
VR604
+5V
WSC 2fsc
TP8607
REC/PLAY 5.4Vp-p
ADV1
NOT USED
IC602
READ CLOCK GENERATOR
VXO3
NOT USED
SC12
SC02
HR2
HR20
RESET PULSE (H) HO2
ERR
CK1
SC3
IC616
LPF
X602
14.3MHz VXO
VR602
SCH PHASE
SC TIMING
TP8609
VR603
IC614
H PHASE
TP8610
ERROR PULSE GENERATOR
IC622
LPF
13.5MHz VXO
WINDOW PULSE GENE
TP8609
REC 0.45Vp-p
TP8610
REC/PLAY 5.0Vp-p
IC603
READ CLOCK GENERATOR
SDET
REF DET
4fsc
SC1
SC0
RSY
RHS
HR
HO
CK1
SHP1
IFRAM
ADV1
SCC1
SCC2
ADV2
SYNC SC GENE
EQUALIZING PULSE REMOVING
REF MODE B SIDE
INT MODE A SIDE
H SYNC GENE
V SYNC GENE
ADV1=L REFERENCE VIDEO LOCK
ADV1=H INCOME VIDEO LOCK
ADV2=L REFERENCE VIDEO LOCK
ADV2=H INCOME VIDEO LOCK
3.58MHz (0°)
3.58MHz (90°)
NCBK
RFRM
CS1
HD (COARSE TIMING)
BF
VIP
RSYNC (HSS)
RDHD (L)
R-BF
VP (L)
BLANK (H)
IC619
SETUP-P
R SYNC
R-BF
SEARCH
MOTHER (2) C.B.A.
ADV1
ADV2
PBV
RCK
R DHD
FROM VIDEO PB
AD-Y
TP8501
TP8501
REC 0.95Vp-p
PLAY 1.0Vp-p
THIS CIRCUIT MUTE THE PARTS (PEDESTAL PARTS) EXCEPT SYNC.
IC501
SYNC SEPA
IC510, 512
WAVE FORM SHAPE AND NOISE CUT
HSS
TP8503
TP8503
REC/PLAY 5.0Vp-p
DOC
IC507
IC503
THIS CIRCUIT MUTE SAMPLING DURING VERTICAL TERMS AND DOC TERMS.
C SYN
Y SYN
Y DO
SEARCH
SYNC DISCRIMINATOR
YGH
CGH
Y PH
TP8506
AFC COUNTERS ACT ON FREE RUN STATE DURRING THIS PULSE, BECOMES H LINE IS NOT NORMAL. WHEN SIGNAL IS LINKED BY HEAD SW PULSE.
H.SWパルスによって信号が連続されている部分は、H SYNCの周期が不安定となります。それゆえこのミューティングパルスの区間、AFC COUNTERは、フリーラン状態で動作します。
H SW INH
H SW
MUTING PULSE
FROM CYLINDER SERVO
IC511
X2
IC510
PULSE WIDTH EXTENSION
MOTHER (1) C.B.A.
MOTHER (2) C.B.A.
H SW INH
THIS IS THE RESET PULSE TO STABILIZE THE 27MHz VCO.
63.5μsec
IC556
SAMPLING PULSE GENERATOR
YSH
YH
IC551
AFC COUNTER
COUNTER
TROPIZOID
Q551, 552, 553
IC554
S/H
IC558
LPF
IC560
27MHz VCO
Y SH
S RAS
IC555
TP8551
IC559
1/2
Y CP
Y CLAMP
AGC P
C CLAMP (NOT USED)
AFC CK
DIV
(NOT USED)
+12V
VR501
VIDEO PHASE
PHASE CONTROL
IC511 ~ IC508
TP8506
REC/PLAY 5.0Vp-p
IC502
V JUDGE
SEARCH
Y SYN
V SYN
RFRA (NOT USED)
LATCH
COUNTER
FRAMING DETECT
VISC (15 LINE)
PBV
PBF2
PB FRM
IC509
MMV
IC514
IC515
IC512
FRAMING OK
TP8505
TP8505
REC 3.6Vp-p
PLAY 5.0Vp-p
IC553
APC
27MHz
XI
HD
CLOCK SELECT
DELAY
W. CLOCK
W. CLK
GHD
WHD
13.5MHz
PB V
REF-FRAME
D5V
V SEP
IC505, 506, 507
PULSE WIDTH EXTENSION
IC505
IC506
DELAY
IC502 ACT ON FREE RUN STATE THIS PULSE.
A - LINE
TP8004
REC 1.6Vp-p
PLAY 1.7Vp-p
TP8001
REC/PLAY 0.56Vp-p
TP8006
REC 1.7Vp-p
PLAY 1.6Vp-p
TP8005
REC/PLAY 1.2Vp-p
Q8009
FL8012
LPF
Q8010~14
AMP
CLAMP
VR8003
B-Y AD LEV
TP8005
TP8006
IC8009
MPX
ON
TP8004
Q8017
FL8023
LPF
Q8018~22
AMP
Q8023, 4, IC8008
CLAMP
VR8004
R-Y AD LEV
VR8215
HUE PRE SET
HUE LEVEL
IC8204,5
HUE
MPXRY
MPXBY
Q8025, 26, 27
AMP
VR8006
C INPUT
+5V
IC8001
DECODER
B-Y R-Y
TP8001
C. CLAMP P
DEC. C
FROM FRONT CONNECT C.B.A.
FROM VIDEO PB
EE
DROP
TP8551
REC/PLAY 4.0Vp-p
FRONT CONNECTION C.B.A.
MOTHER (2) C.B.A.
FROM KEYBOARD
Y CDL0
Y CDL1
Y CDL2
Y CDL3
FL40
LP

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

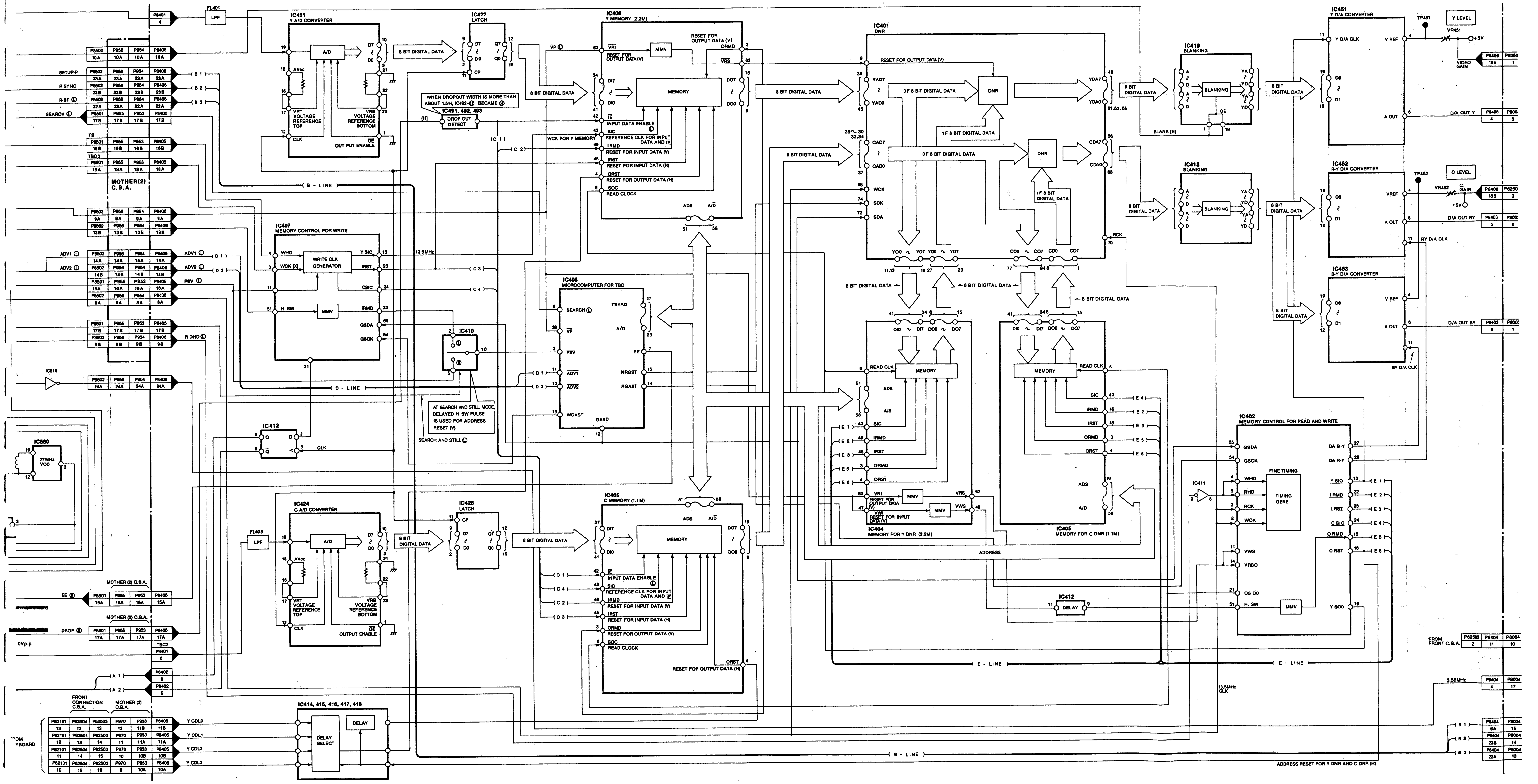
[redacted]

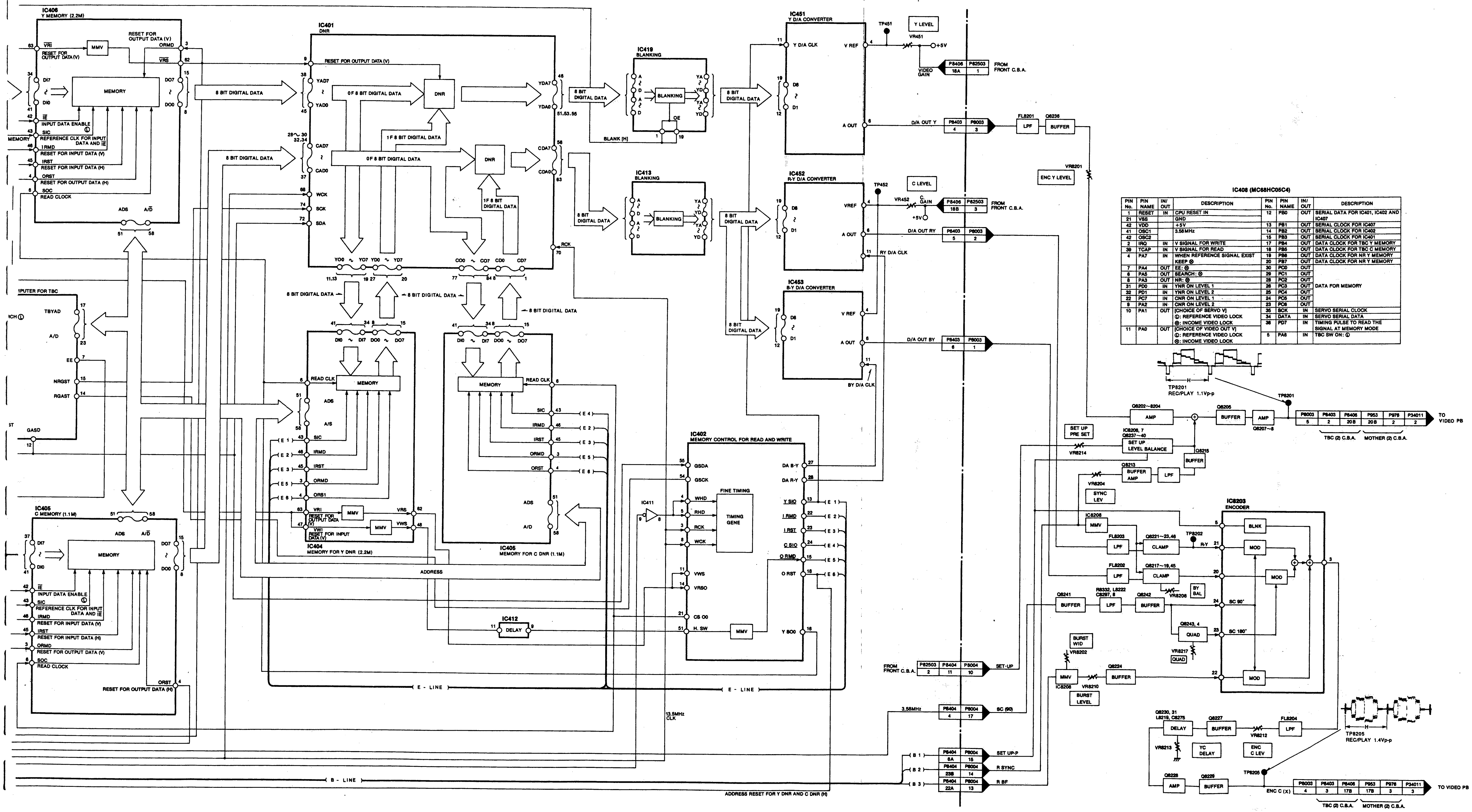
[redacted]

IC602 (μPD65024QF152)

PIN NO.	PIN NAME	IN/ OUT	DESCRIPTION
3	RSCH	OUT	REFERENCE SCH
5	DBCH	IN	DUB COLOR FRAMING IN HIGH
6	OSCF	IN	COMPO SITE FRAMING
7	CNCF	IN	COMPONENT COLOR FRAMING (ID PULSE)
8	TCCF	IN	TIME CODE COLOR FRAMING
9	DBCF	IN	DUB COLOR FRAMING
10	EXCF	IN	EXTERNAL COLOR FRAMING
11	RFCF	OUT	REFERENCE COLOR FRAMING FOR SERVO
12	SEL1	IN	COLOR FRAMING SELECTOR SIGNAL
13	SEL2	IN	COLOR FRAMING SELECTOR SIGNAL
14	SEL3	IN	COLOR FRAMING SELECTOR SIGNAL
16	IFR2	OUT	COLOR FRAMING SIGNAL FOR E-E
19	ADV2	IN	ADVANCE 2
20	RSVO	OUT	REFERENCE FOR SERVO VO (30 Hz)
21	SSER	OUT	IMCM SIGNAL (24P) IN Ⓗ
22	HZ30	IN	30 Hz
24	INCM	IN	INCOME 30 Hz
25	DUBL	IN	DUB LOW
26	IFRM	IN	INCOME FRAME (REF 30 Hz)
27	VIDL	IN	DELAYED VERTICAL INTERVAL
28	INFH	IN	INCOME FRAMING
29	HD	OUT	HORIZONTAL DRIVE PULSE
30	RHD	IN	HORIZONTAL DRIVE PULSE (=TBC READ TIMING)
31	VID1	IN	VIDEO ϕ1
32	VID2	IN	VIDEO ϕ2
33	VID3	IN	VIDEO ϕ3
34	VPH1	IN	VIDEO PHASE 1
35	VPH2	OUT	VIDEO PHASE 2
36	CK1	IN	CLOCK 1
37	SHP1	IN	SAMPLE HOLD PULSE 1
38	ER1	OUT	ERROR 1
39	WND1	OUT	WINDOW 1
42	VID4	IN	VIDEO ϕ4
43	ER2	OUT	ERROR 2
44	SHP	IN	SAMPLE HOLD PULSE 2

PIN NO.	PIN NAME	IN/ OUT	DESCRIPTION
45	CK2	IN	CLOCK 2
46	WND2	OUT	WINDOW 2
47	HR2	IN	H RESET 2
48	HR20	OUT	H RESET 2 OUTPUT
49	HO2	IN	HO SIGNAL (IC204 58P) INPUT NO. 2
50	FS2	IN	FOUR SUB CARRIER NO. 2 (4 FSC)
52	SC12	IN	SC1 (IC204 75P) INPUT NO. 2
53	SCH1	IN	SCH COARSE CONTROL NO. 1
54	VXC3	OUT	CONTROL SIGNAL 3 FOR VXO
55	SCH2	IN	SCH COARSE CONTROL NO. 2
56	FS3	IN	FOUR SC NO. 3 (4 FSC)
58	SC3	OUT	SUB CARRIER 3
60	SC02	IN	SUB CARRIER O (IC204 65P) INPUT NO. 2
61	HSF2	OUT	H SHIFT PROTECTION SIGNAL 2
69	TP1	OUT	TEST POINT 1 (FOR SCH ADJ.)
70	TP2	OUT	TEST POINT 2 (FOR SCH ADJ.)
71	DET1	IN	DETECTION FOR SUB CARRIER POLARITY (H TIMING PULSE)
72	DET2	IN	DETECTION FOR SUB CARRIER POLARITY (H TIMING PULSE)
73	DET3	IN	DETECTION FOR SUB CARRIER POLARITY (H TIMING PULSE)
74	PALP	IN	PAL PULSE
75	VXO1	OUT	CONTROL SIGNAL 1 FOR VXO
76	RBF	IN	REFERENCE VIDEO BURST FLAG
77	RBST	IN	REFERENCE VIDEO BURST
79	SCDL	IN	DELAYED 2FSC
80	WSC	OUT	DOUBLE SUB CARRIER (2 FSC)
81	SELM	IN	SELECT MODE (NTSC Ⓛ PAL Ⓗ)
82	FS1	IN	FOUR SUB CARRIER 1 (4 FSC)
83	SDET	IN	SYNC DETECTION
84	SCO1	IN	SUB CARRIER O (IC204 65P) INPUT NO. 1
85	PFB1	OUT	COLOR FRAMING RESET PULSE (PAL)
95	LALI	OUT	COLOR FRAMING RESET PULSE (NTSC)
96	CF1	IN	COLOR FRAMING 1
97	RFRM	IN	REFERENCE FRAME
100	EQP	IN	EQUALIZED PULSE


P8401
4
FL401
LPF
IC421
Y A/D CONVERTER
A/D
AVcc
VRT
VOLTAGE
REFERENCE
TOP
VRB
VOLTAGE
REFERENCE
BOTTOM
CLK
OE
OUT PUT ENABLE
D7
D0
8 BIT DIGITAL DATA
IC422
LATCH
D7
D0
Q7
Q0
CP
WHEN DROPOUT WIDTH IS MORE THAN
ABOUT 1.5H, IC492-Ⓛ BECAME Ⓗ
IC491, 492, 493
DROP OUT
DETECT
[H]
SETUP-P
R SYNC
R-BF Ⓛ
SEARCH Ⓛ
TB
TBC3
MOTHER(2)
C.B.A.
P8502
P956
P954
P8406
P8501
P955
P953
P8405
10A
23A
23B
22A
17B
16B
18A
9A
13B
14A
14B
16A
8A
9B
24A
ADV1 Ⓛ
ADV2 Ⓛ
PBV Ⓛ
R DHD Ⓛ
IC619
B - LINE
D - LINE
IC407
MEMORY CONTROL FOR WRITE
WHD
WCK [X]
WRITE CLK
GENERATOR
H SW
MMV
Y SIC
IRST
CSIC
IRMD
GSDA
GSCK
13.5MHz
IC410
AT SEARCH AND STILL MODE,
DELAYED H. SW PULSE
IS USED FOR ADDRESS
RESET (V)
SEARCH AND STILL Ⓛ
IC412
Q
D
CLK
IC560
27MHz
VCO
IC406
Y MEMORY (2.2M)
VRI
RESET FOR
OUTPUT DATA (V)
MMV
RESET FOR
OUTPUT DATA (V)
ORMD
VRS
DI7
DI0
MEMORY
DO7
DO0
IE
INPUT DATA ENABLE Ⓛ
SIC
REFERENCE CLK FOR INPUT
DATA AND IE
IRMD
RESET FOR INPUT DATA (V)
IRST
RESET FOR INPUT DATA (H)
ORST
RESET FOR OUTPUT DATA (H)
SOC
READ CLOCK
ADS
A/D
VP Ⓛ
WCK FOR Y MEMORY
IC408
MICROCOMPUTER FOR TBC
SEARCH Ⓛ
VP
PBV
ADV1
ADV2
WGAST
GASD
TBYAD
A/D
EE
NRGST
RGAST
IC401
DNR
RESET FOR OUTPUT DATA (V)
YAD7
YAD0
CAD7
CAD0
WCK
SCK
SDA
0 F 8 BIT DIGITAL DATA
1 F 8 BIT DIGITAL DATA
1F 8 BIT
DIGITAL DATA
DNR
YDA7
YDA0
CDA7
CDA0
RCK
YO0 ~ YO7 YD0 ~ YD7
CO0 ~ CO7 CD0 CD7
8 BIT DIGITAL DATA
DI0 ~ DI7 DO0 ~ DO7
READ CLK
MEMORY
ADS
A/S
SIC
IRMD
IRST
ORMD
ORS1
VRI
RESET FOR
OUTPUT DATA
(V)
VWI
RESET FOR INPUT
DATA (V)
VRS
VWS
IC404
MEMORY FOR Y DNR (2.2M)
IC405
MEMORY FOR C DNR (1.1M)
ORST
ADDRESS
IC412
DELAY
E - LINE
IC419
BLANKING
IC413
BLANKING
A
D
YA
YD
BLANKING
OE
BLANK [H]
8 BIT
DIGITAL DATA
IC451
Y D/A CONVERTER
Y D/A CLK
V REF
D8
D1
A OUT
TP451
Y LEVEL
VR451
+5V
VIDEO
GAIN
P8406
P6250
18A
1
D/A OUT Y
P8403
P800
4
3
IC452
R-Y D/A CONVERTER
VREF
TP452
C LEVEL
VR452
C.
GAIN
18B
3
+5V
D/A OUT RY
5
2
RY D/A CLK
IC453
B-Y D/A CONVERTER
V REF
D/A OUT BY
6
1
BY D/A CLK
IC402
MEMORY CONTROL FOR READ AND WRITE
GSDA
GSCK
WHD
RHD
RCK
WCK
FINE TIMING
TIMING
GENE
VWS
VRSO
CS O0
H. SW
MMV
DA B-Y
DA R-Y
Y SIO
I RMD
I RST
C SIO
O RMD
O RST
Y SO0
IC411
IC424
C A/D CONVERTER
FL403
LPF
AVcc
VRT
VOLTAGE
REFERENCE
TOP
VRB
VOLTAGE
REFERENCE
BOTTOM
CLK
OE
OUTPUT ENABLE
8 BIT
DIGITAL DATA
IC425
LATCH
CP
D7
D0
Q7
Q0
8 BIT DIGITAL DATA
IC405
C MEMORY (1.1M)
ADS
A/D
DI7
DI0
MEMORY
DO7
DO0
IE
INPUT DATA ENABLE Ⓛ
SIC
REFERENCE CLK FOR INPUT
DATA AND IE
IRMD
RESET FOR INPUT DATA (V)
IRST
RESET FOR INPUT DATA (H)
ORMD
RESET FOR OUTPUT DATA (V)
SOC
READ CLOCK
ORST
RESET FOR OUTPUT DATA (H)
MOTHER (2) C.B.A.
EE Ⓗ
P8501
P955
P953
P8405
15A
DROP Ⓗ
17A
.0Vp-p
TBC2
P8401
6
P8402
6
5
A 1
A 2
FRONT
CONNECTION
C.B.A.
MOTHER (2)
C.B.A.
ROM
YBOARD
P62101
P62504
P62503
P970
P953
P8405
13
12
13
12
11B
11B
12
13
14
11
11A
11A
11
14
15
10
10B
10B
10
15
16
9
10A
10A
Y CDL0
Y CDL1
Y CDL2
Y CDL3
IC414, 415, 416, 417, 418
DELAY
SELECT
DELAY
13.5MHz
CLK
FROM
FRONT C.B.A.
P62503
P8404
P8004
2
11
10
3.58MHz
4
17
B 1
B 2
B 3
6A
15
23B
14
22A
13
ADDRESS RESET FOR Y DNR AND C DNR (H)
C 1
C 2
C 3
C 4
D 1
D 2
E 1
E 2
E 3
E 4
E 5
E 6


IC406
Y MEMORY (2.2M)
MEMORY
MMV
RESET FOR OUTPUT DATA (V)
INPUT DATA ENABLE
REFERENCE CLK FOR INPUT DATA AND IE
RESET FOR INPUT DATA (V)
RESET FOR INPUT DATA (H)
RESET FOR OUTPUT DATA (H)
READ CLOCK
IC401
DNR
8 BIT DIGITAL DATA
0F 8 BIT DIGITAL DATA
1F 8 BIT DIGITAL DATA
RESET FOR OUTPUT DATA (V)
YAD7
YAD0
CAD7
CAD0
WCK
SCK
SDA
RCK
YDA7
YDA0
CDA7
CDA0
IC419
BLANKING
IC413
BLANKING
BLANK (H)
IC451
Y D/A CONVERTER
Y D/A CLK
V REF
A OUT
IC452
R-Y D/A CONVERTER
VREF
RY D/A CLK
IC453
B-Y D/A CONVERTER
BY D/A CLK
TP451
Y LEVEL
VR451
VIDEO GAIN
+5V
TP452
C LEVEL
VR452
GAIN
FROM FRONT C.B.A.
D/A OUT Y
D/A OUT RY
D/A OUT BY
FL8201
LPF
Q8236
BUFFER
VR8201
ENC Y LEVEL
COMPUTER FOR TBC
TBYAD
A/D
EE
NRGST
RGAST
GASD
IC404
MEMORY FOR Y DNR (2.2M)
IC405
MEMORY FOR C DNR (1.1M)
READ CLK
ADS
A/S
SIC
IRMD
IRST
ORMD
ORST
VRI
VWI
VRS
VWS
ADDRESS
IC405
C MEMORY (1.1M)
IC402
MEMORY CONTROL FOR READ AND WRITE
FINE TIMING
TIMING GENE
GSDA
GSCK
WHD
RHD
RCK
WCK
VWS
VRSO
CS 00
H. SW
MMV
DA B-Y
DA R-Y
Y SIO
I RMD
I RST
C SIO
O RMD
O RST
Y BOO
IC411
IC412
DELAY
E - LINE
B - LINE
13.5MHz CLK
ADDRESS RESET FOR Y DNR AND C DNR (H)
TP8201
REC/PLAY 1.1Vp-p
Q8202~8204
AMP
Q8205
BUFFER
Q8207~8
TO VIDEO PB
TBC (2) C.B.A.
MOTHER (2) C.B.A.
SET UP PRE SET
IC8208, 7
Q8237~40
SET UP LEVEL BALANCE
VR8214
Q8213
BUFFER AMP
LPF
Q8215
BUFFER
VR8204
SYNC LEV
IC8208
MMV
FL8203
FL8202
Q8221~23,46
Q8217~19,45
CLAMP
TP8202
R-Y
R8332, L8222
C8297, 8
Q8242
VR8206
BY BAL
Q8241
Q8243, 4
QUAD
VR8217
IC8203
ENCODER
BLNK
MOD
SC 90°
SC 180°
BURST WID
VR8202
IC8206
VR8210
BURST LEVEL
Q8224
FROM FRONT C.B.A.
SET-UP
3.58MHz
SC (90)
SET UP-P
R SYNC
R BF
Q8230, 31
L8219, C8275
DELAY
Q8227
VR8212
FL8204
VR8213
YC DELAY
ENC C LEV
TP8205
REC/PLAY 1.4Vp-p
Q8228
Q8229
ENC C (X)
P8403
P8003
P8406
P82503
P8404
P8004
P953
P976
P34011

IC408 (MC68HC05C4)

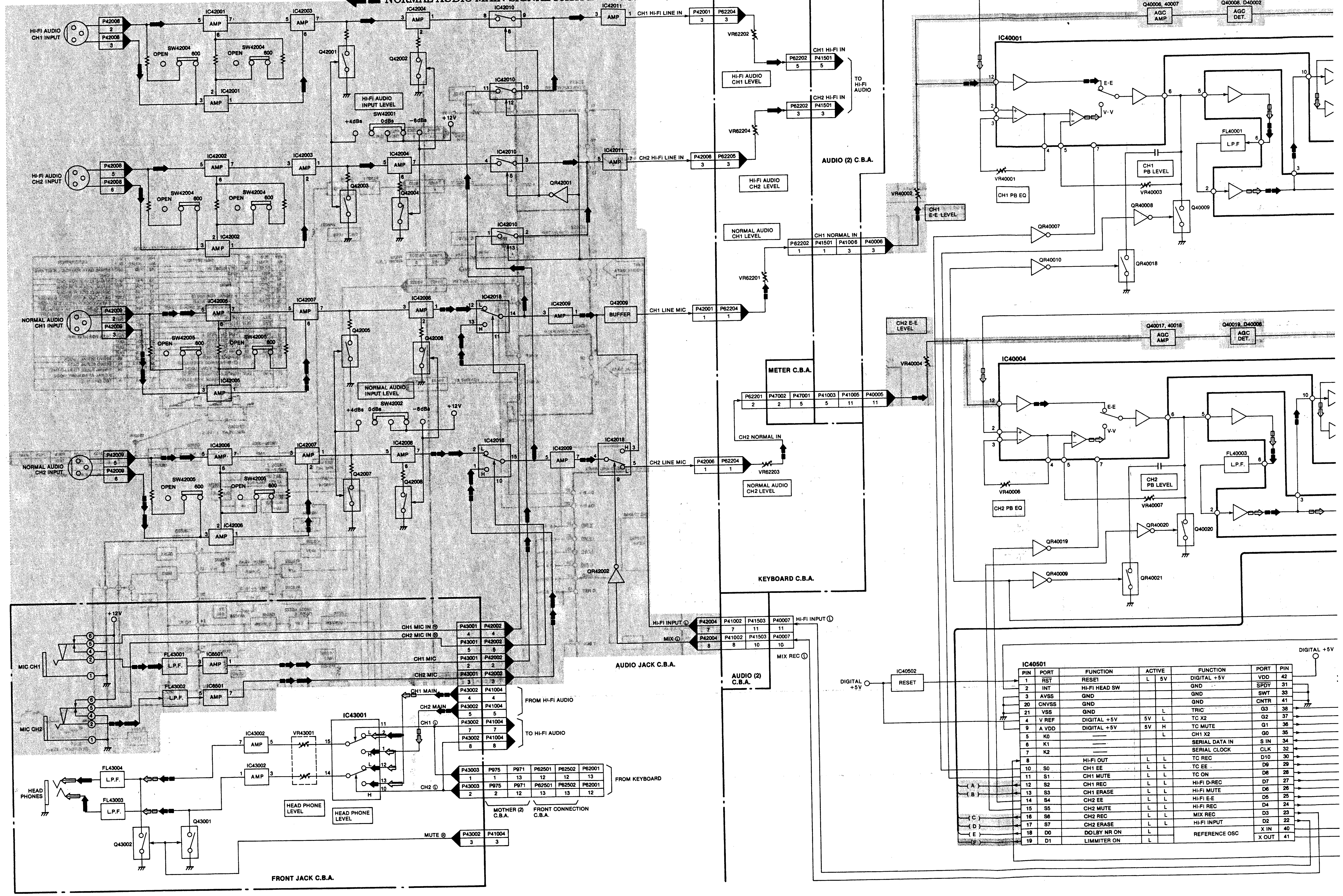
PIN No.	PIN NAME	IN/OUT	DESCRIPTION
1	RESET	IN	CPU RESET IN
21	VSS		GND
42	VDD		+5V
41	OSC1		3.58MHz
42	OSC2		
2	IRQ	IN	V SIGNAL FOR WRITE
39	TCAP	IN	V SIGNAL FOR READ
4	PA7	IN	WHEN REFERENCE SIGNAL EXIST KEEP Ⓗ
7	PA4	OUT	EE: Ⓗ
6	PA5	OUT	SEARCH: Ⓗ
8	PA3	OUT	NR: Ⓗ
31	PD0	IN	YNR ON LEVEL 1
32	PD1	IN	YNR ON LEVEL 2
22	PC7	IN	CNR ON LEVEL 1
9	PA2	IN	CNR ON LEVEL 2
10	PA1	OUT	[CHOICE OF SERVO V] Ⓛ: REFERENCE VIDEO LOCK Ⓗ: INCOME VIDEO LOCK
11	PA0	OUT	[CHOICE OF VIDEO OUT V] Ⓛ: REFERENCE VIDEO LOCK Ⓗ: INCOME VIDEO LOCK

PIN No.	PIN NAME	IN/OUT	DESCRIPTION
12	PB0	OUT	SERIAL DATA FOR IC401, IC402 AND IC407
13	PB1	OUT	SERIAL CLOCK FOR IC407
14	PB2	OUT	SERIAL CLOCK FOR IC402
15	PB3	OUT	SERIAL CLOCK FOR IC401
17	PB4	OUT	DATA CLOCK FOR TBC Y MEMORY
18	PB5	OUT	DATA CLOCK FOR TBC C MEMORY
19	PB6	OUT	DATA CLOCK FOR NR Y MEMORY
20	PB7	OUT	DATA CLOCK FOR NR Y MEMORY
30	PC0	OUT	DATA FOR MEMORY
29	PC1	OUT	
28	PC2	OUT	
26	PC3	OUT	
25	PC4	OUT	
24	PC5	OUT	
23	PC6	OUT	
35	SCK	IN	SERVO SERIAL CLOCK
34	DATA	IN	SERVO SERIAL DATA
36	PD7	IN	TIMING PULSE TO READ THE SIGNAL AT MEMORY MODE
5	PA6	IN	TBC SW ON: Ⓛ

NORMAL AUDIO BLOCK DIAGRAM

⇦ NORMAL AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
⬅ NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE (AG-7750)

⇦ Hi-Fi AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
⬅ Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MODE (AG-7750)

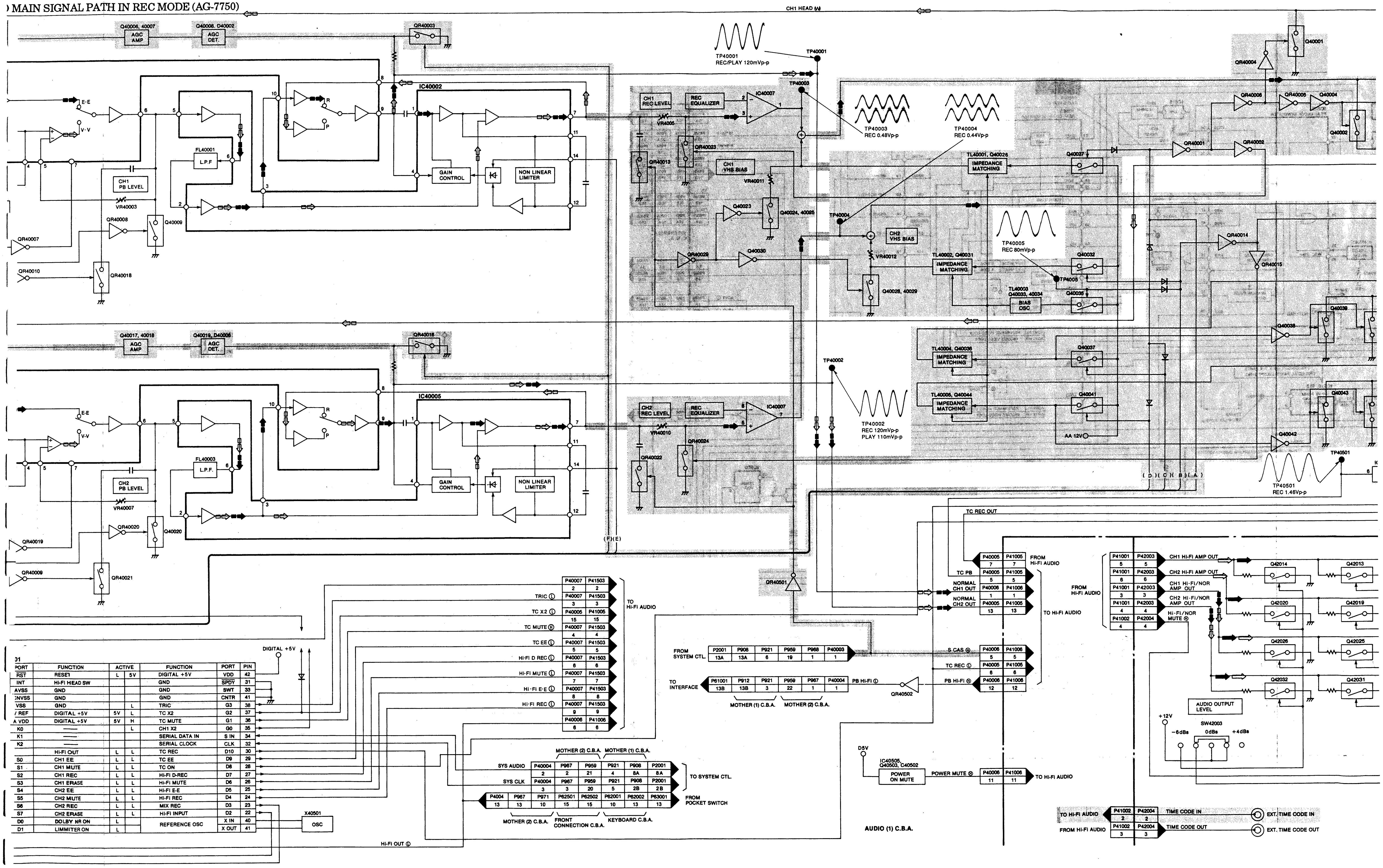

HI-FI AUDIO CH1 INPUT
HI-FI AUDIO CH2 INPUT
NORMAL AUDIO CH1 INPUT
NORMAL AUDIO CH2 INPUT
P42008
P42009
IC42001
IC42002
IC42003
IC42004
IC42005
IC42006
IC42007
IC42008
IC42009
IC42010
IC42011
IC42018
AMP
SW42004
SW42005
OPEN
600
Q42001
Q42002
Q42003
Q42004
Q42005
Q42006
Q42007
Q42008
Q42009
BUFFER
QR42001
QR42002
HI-FI AUDIO INPUT LEVEL
SW42001
+4dBs
0dBs
−6dBs
+12V
NORMAL AUDIO INPUT LEVEL
SW42002
CH1 HI-FI LINE IN
CH2 HI-FI LINE IN
CH1 LINE MIC
CH2 LINE MIC
P42001
P62204
P42006
P62205
VR62202
VR62204
VR62201
VR62203
HI-FI AUDIO CH1 LEVEL
HI-FI AUDIO CH2 LEVEL
CH1 HI-FI IN
CH2 HI-FI IN
P62202
P41501
TO HI-FI AUDIO
AUDIO (2) C.B.A.
NORMAL AUDIO CH1 LEVEL
CH1 NORMAL IN
P41006
P40006
NORMAL AUDIO CH2 LEVEL
CH2 NORMAL IN
METER C.B.A.
P62201
P47002
P47001
P41003
P41005
P40005
KEYBOARD C.B.A.
HI-FI INPUT ①
MIX ①
P42004
P41002
P41503
P40007
MIX REC ①
AUDIO JACK C.B.A.
AUDIO (2) C.B.A.
CH1 MIC IN ⑧
CH2 MIC IN ⑧
CH1 MIC
CH2 MIC
P43001
P42002
MIC CH1
MIC CH2
FL43001
FL43002
L.P.F.
IC6501
CH1 MAIN
CH2 MAIN
P43002
P41004
FROM HI-FI AUDIO
TO HI-FI AUDIO
IC43001
IC43002
VR43001
CH1 ①
CH2 ①
P43003
P975
P971
P62501
P62502
P62001
FROM KEYBOARD
MOTHER (2) C.B.A.
FRONT CONNECTION C.B.A.
HEAD PHONES
FL43004
FL43003
Q43001
Q43002
HEAD PHONE LEVEL
MUTE ⑧
FRONT JACK C.B.A.
Q40006, 40007 AGC AMP
Q40008, D40002 AGC DET.
IC40001
E-E
V-V
FL40001
L.P.F
VR40001
VR40003
CH1 PB LEVEL
CH1 PB EQ
VR40002
CH1 E-E LEVEL
QR40007
QR40008
Q40009
QR40010
QR40018
CH2 E-E LEVEL
VR40004
Q40017, 40018 AGC AMP
Q40019, D40008 AGC DET.
IC40004
FL40003
VR40006
VR40007
CH2 PB LEVEL
CH2 PB EQ
QR40019
QR40020
Q40020
QR40009
QR40021
DIGITAL +5V
IC40502
RESET
Ⓐ
Ⓑ
Ⓒ
Ⓓ
Ⓔ
Ⓕ

IC40501

PIN	PORT	FUNCTION	ACTIVE		FUNCTION	PORT	PIN
1	$\overline{RST}$	RESET	L	5V	DIGITAL +5V	VDD	42
2	INT	HI-FI HEAD SW			GND	$\overline{SPDY}$	31
3	AVSS	GND			GND	SWT	33
20	CNVSS	GND			GND	CNTR	41
21	VSS	GND		L	TRIC	G3	38
4	V REF	DIGITAL +5V	5V	L	TC X2	G2	37
9	A VDD	DIGITAL +5V	5V	H	TC MUTE	G1	36
5	K0	——		L	CH1 X2	G0	35
6	K1	——			SERIAL DATA IN	S IN	34
7	K2	——			SERIAL CLOCK	CLK	32
8		HI-FI OUT	L	L	TC REC	D10	30
10	S0	CH1 EE	L	L	TC EE	D9	29
11	S1	CH1 MUTE	L	L	TC ON	D8	28
12	S2	CH1 REC	L	L	HI-FI D-REC	D7	27
13	S3	CH1 ERASE	L	L	Hi-Fi MUTE	D6	26
14	S4	CH2 EE	L	L	HI-Fi E-E	D5	25
15	S5	CH2 MUTE	L	L	HI-FI REC	D4	24
16	S6	CH2 REC	L	L	MIX REC	D3	23
17	S7	CH2 ERASE	L	L	HI-FI INPUT	D2	22
18	D0	DOLBY NR ON	L		REFERENCE OSC	X IN	40
19	D1	LIMMITER ON	L			X OUT	41

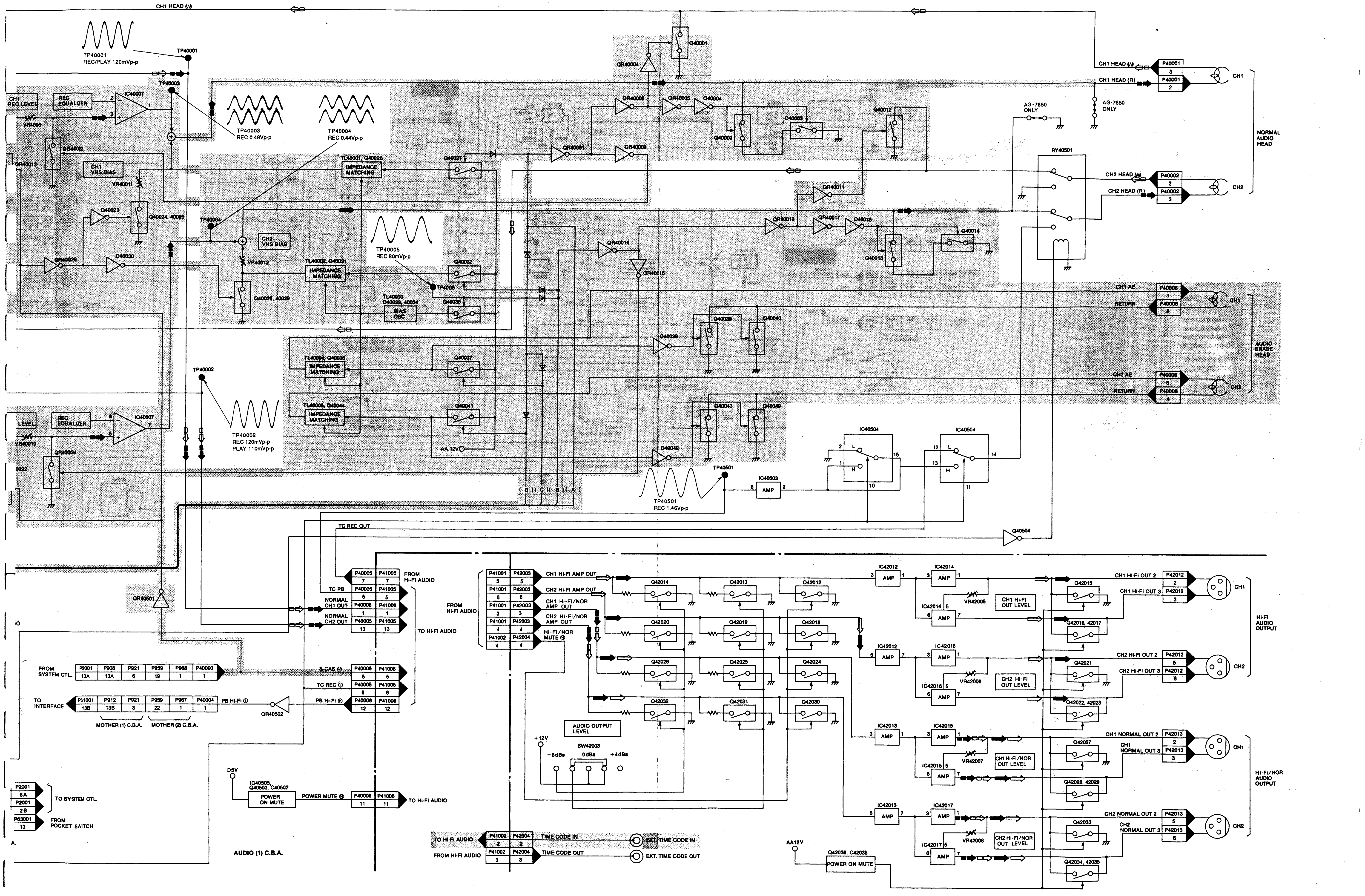
IAIN SIGNAL PATH IN PLAYBACK MODE

MAIN SIGNAL PATH IN REC MODE (AG-7750)


CH1 HEAD (A)
Q40006, 40007 AGC AMP
Q40008, D40002 AGC DET.
QR40003
TP40001 REC/PLAY 120mVp-p
TP40001
TP40003
IC40002
E-E
V-V
R
P
FL40001 L.P.F
CH1 PB LEVEL
VR40003
GAIN CONTROL
NON LINEAR LIMITER
QR40008
Q40009
QR40007
QR40010
QR40018
CH1 REC LEVEL
VR4005
REC EQUALIZER
IC40007
QR40013
QR40023
CH1 VHS BIAS
VR40011
Q40023
Q40024, 40025
QR40029
Q40030
TP40004
CH2 VHS BIAS
VR40012
Q40028, 40029
TP40003 REC 0.48Vp-p
TP40004 REC 0.44Vp-p
TL40001, Q40026 IMPEDANCE MATCHING
Q40027
TL40002, Q40031 IMPEDANCE MATCHING
TL40003 Q40033, 40034 BIAS OSC
TP40005 REC 80mVp-p
TP4005
Q40032
Q40035
QR40004
Q40001
QR40006
QR40005
Q40004
Q40002
QR40001
QR40002
QR40014
QR40015
Q40038
Q40039
TL40004, Q40036 IMPEDANCE MATCHING
Q40037
TL40005, Q40044 IMPEDANCE MATCHING
Q40041
AA 12V
Q40043
Q40042
TP40501
TP40501 REC 1.46Vp-p
(D)(C)(B)(A)
Q40017, 40018 AGC AMP
Q40019, D40008 AGC DET.
QR40016
TP40002
TP40002 REC 120mVp-p PLAY 110mVp-p
IC40005
FL40003 L.P.F.
CH2 PB LEVEL
VR40007
QR40020
Q40020
QR40019
QR40009
QR40021
CH2 REC LEVEL
VR40010
QR40022
QR40024
(F)(E)
QR40501
TRIC ①
TC X2 ①
TC MUTE ®
TC EE ①
Hi-Fi D REC ①
Hi-Fi MUTE ①
Hi-Fi E-E ①
Hi-Fi REC ①
P40007 P41503 2 2
P40007 P41503 3 3
P40005 P41005 15 15
P40007 P41503 4 4
P40007 P41503 5 5
P40007 P41503 6 6
P40007 P41503 7 7
P40007 P41503 8 8
P40007 P41503 9 9
P40006 P41006 6 6
TO Hi-Fi AUDIO
DIGITAL +5V
X40501 OSC
HI-FI OUT ①
SYS AUDIO P40004 2 P967 2 P959 21 P921 4 P908 8A P2001 8A
SYS CLK P40004 3 P967 3 P959 20 P921 5 P908 2B P2001 2B
MOTHER (2) C.B.A.
MOTHER (1) C.B.A.
TO SYSTEM CTL.
P4004 13 P967 13 P971 10 P62501 15 P62502 15 P62001 10 P62002 13 P63001 13
FROM POCKET SWITCH
MOTHER (2) C.B.A.
FRONT CONNECTION C.B.A.
KEYBOARD C.B.A.
FROM SYSTEM CTL. P2001 13A P908 13A P921 6 P959 19 P968 1 P40003 1
TO INTERFACE P61001 13B P912 13B P921 3 P959 22 P967 1 P40004 1
PB Hi-Fi ①
QR40502
MOTHER (1) C.B.A.
MOTHER (2) C.B.A.
TC REC OUT
TC PB
NORMAL CH1 OUT
NORMAL CH2 OUT
P40005 P41005 7 7
P40005 P41005 5 5
P40006 P41006 1 1
P40005 P41005 13 13
FROM Hi-Fi AUDIO
TO Hi-Fi AUDIO
S CAS ® P40006 P41006 5 5
TC REC ① P40005 P41005 6 6
PB Hi-Fi ® P40006 P41006 12 12
D5V
IC40505, Q40503, C40502 POWER ON MUTE
POWER MUTE ® P40006 P41006 11 11
TO Hi-Fi AUDIO
AUDIO (1) C.B.A.
FROM Hi-Fi AUDIO
P41001 P42003 5 5 CH1 Hi-Fi AMP OUT
P41001 P42003 6 6 CH2 Hi-Fi AMP OUT
P41001 P42003 3 3 CH1 Hi-Fi/NOR AMP OUT
P41001 P42003 4 4 CH2 Hi-Fi/NOR AMP OUT
P41002 P42004 4 4 Hi-Fi/NOR MUTE ®
Q42014
Q42013
Q42020
Q42019
Q42026
Q42025
Q42032
Q42031
AUDIO OUTPUT LEVEL
+12V
SW42003
−6dBs 0dBs +4dBs
TO Hi-Fi AUDIO P41002 P42004 2 2 TIME CODE IN EXT. TIME CODE IN
FROM Hi-Fi AUDIO P41002 P42004 3 3 TIME CODE OUT EXT. TIME CODE OUT

01

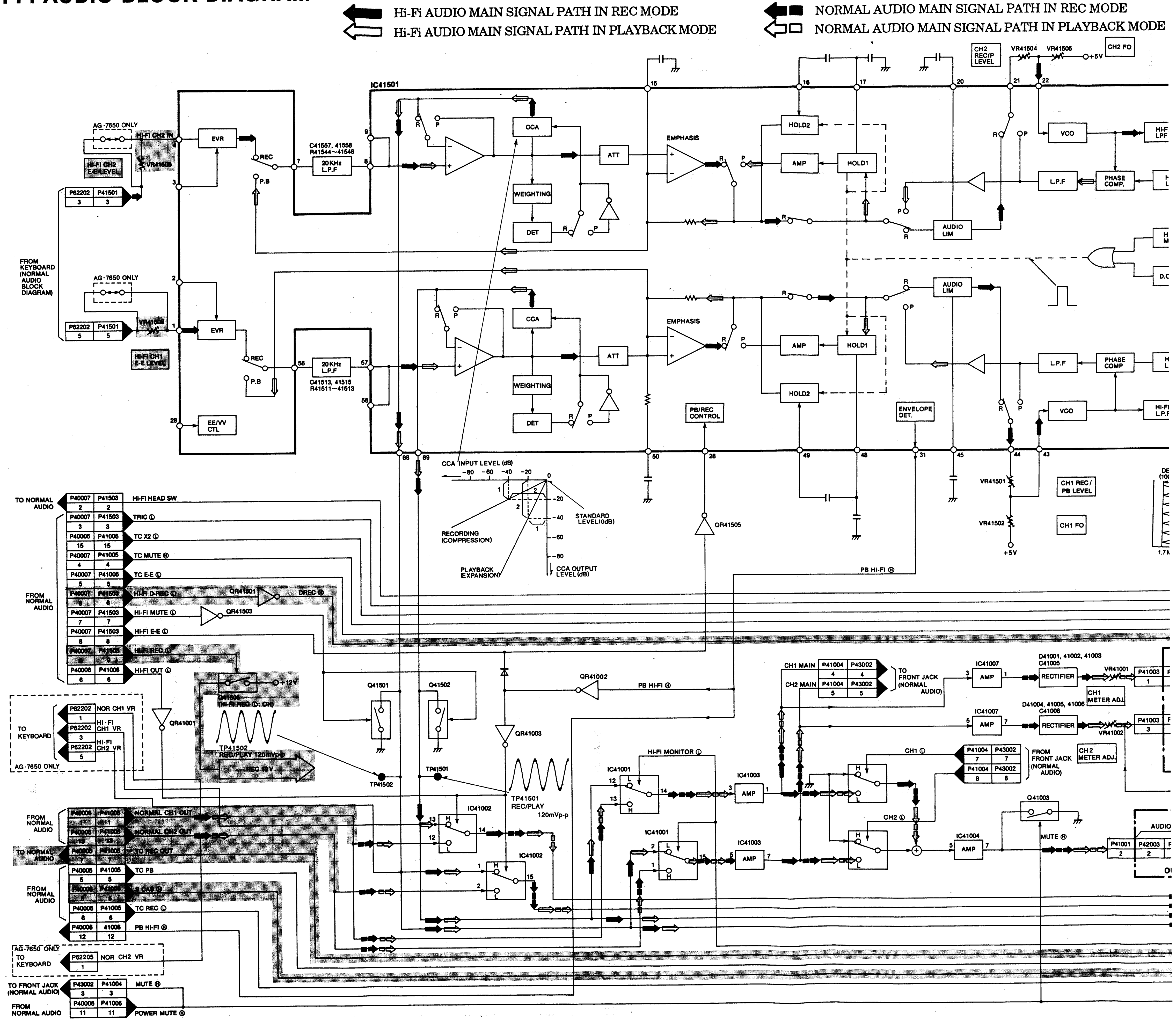
PORT	FUNCTION	ACTIVE		FUNCTION	PORT	PIN
RST	RESET	L	5V	DIGITAL +5V	VDD	42
INT	HI-FI HEAD SW			GND	SPDY	31
AVSS	GND			GND	SWT	33
CNVSS	GND			GND	CNTR	41
VSS	GND		L	TRIC	G3	38
/ REF	DIGITAL +5V	5V	L	TC X2	G2	37
A VDD	DIGITAL +5V	5V	H	TC MUTE	G1	36
K0	——		L	CH1 X2	G0	35
K1	——			SERIAL DATA IN	S IN	34
K2	——			SERIAL CLOCK	CLK	32
	HI-FI OUT	L	L	TC REC	D10	30
S0	CH1 EE	L	L	TC EE	D9	29
S1	CH1 MUTE	L	L	TC ON	D8	28
S2	CH1 REC	L	L	HI-FI D-REC	D7	27
S3	CH1 ERASE	L	L	Hi-Fi MUTE	D6	26
S4	CH2 EE	L	L	HI-FI E-E	D5	25
S5	CH2 MUTE	L	L	HI-FI REC	D4	24
S6	CH2 REC	L	L	MIX REC	D3	23
S7	CH2 ERASE	L	L	HI-FI INPUT	D2	22
D0	DOLBY NR ON	L		REFERENCE OSC	X IN	40
D1	LIMMITER ON	L			X OUT	41



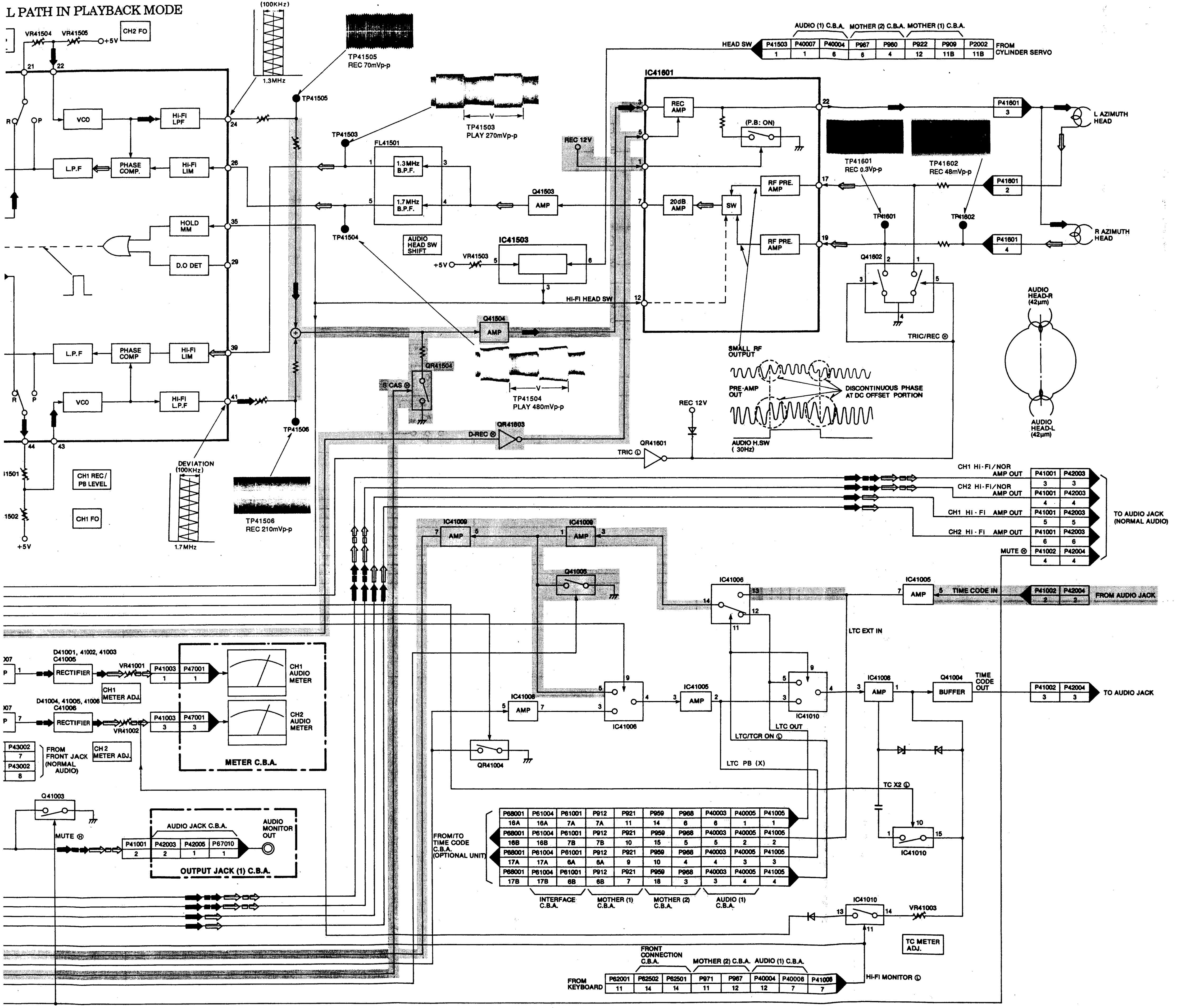
CH1 HEAD (A)
TP40001
REC/PLAY 120mVp-p
TP40003
REC 0.48Vp-p
TP40004
REC 0.44Vp-p
TP40005
REC 80mVp-p
TP40002
REC 120mVp-p
PLAY 110mVp-p
TP40501
REC 1.46Vp-p
CH1 REC LEVEL
REC EQUALIZER
IC40007
VR4005
QR40013
QR40023
CH1 VHS BIAS
VR40011
Q40023
Q40024, 40025
QR40029
Q40030
CH2 VHS BIAS
VR40012
Q40028, 40029
TL40001, Q40026
IMPEDANCE MATCHING
TL40002, Q40031
TL40003
Q40033, 40034
BIAS OSC
Q40027
Q40032
Q40035
TP4005
TL40004, Q40036
TL40005, Q40044
Q40037
Q40041
AA 12V
LEVEL
VR40010
QR40024
0022
QR40004
Q40001
QR40006
QR40005
Q40004
Q40002
Q40003
Q40012
QR40001
QR40002
QR40011
QR40012
QR40017
Q40015
Q40014
Q40013
QR40014
QR40015
Q40038
Q40039
Q40040
Q40042
Q40043
Q40049
D C B A
CH1 HEAD (A)
CH1 HEAD (R)
P40001
AG-7650 ONLY
RY40501
CH2 HEAD (A)
CH2 HEAD (R)
P40002
CH1
CH2
NORMAL AUDIO HEAD
CH1 AE
RETURN
CH2 AE
P40008
AUDIO ERASE HEAD
IC40504
IC40503
AMP
L
H
Q40504
TC REC OUT
QR40501
P40005
P41005
FROM HI-FI AUDIO
TC PB
NORMAL CH1 OUT
NORMAL CH2 OUT
P40006
P41006
TO HI-FI AUDIO
FROM SYSTEM CTL.
P2001
P908
P921
P959
P968
P40003
13A
TO INTERFACE
P61001
P912
P967
P40004
13B
MOTHER (1) C.B.A.
MOTHER (2) C.B.A.
S CAS
TC REC
PB HI-FI
PB HI-FI
QR40502
TO SYSTEM CTL.
FROM POCKET SWITCH
P63001
D5V
IC40505, Q40503, C40502
POWER ON MUTE
POWER MUTE
P41001
P42003
P41002
P42004
CH1 HI-FI AMP OUT
CH2 HI-FI AMP OUT
CH1 HI-FI/NOR AMP OUT
CH2 HI-FI/NOR AMP OUT
HI-FI/NOR MUTE
Q42014
Q42013
Q42012
Q42020
Q42019
Q42018
Q42026
Q42025
Q42024
Q42032
Q42031
Q42030
AUDIO OUTPUT LEVEL
+12V
SW42003
-6dBs
0dBs
+4dBs
TO HI-FI AUDIO
FROM HI-FI AUDIO
TIME CODE IN
TIME CODE OUT
EXT. TIME CODE IN
EXT. TIME CODE OUT
IC42012
IC42014
IC42016
IC42013
IC42015
IC42017
VR42005
VR42006
VR42007
VR42008
CH1 HI-FI OUT LEVEL
CH2 HI-FI OUT LEVEL
CH1 HI-FI/NOR OUT LEVEL
CH2 HI-FI/NOR OUT LEVEL
Q42015
Q42016, 42017
Q42021
Q42022, 42023
Q42027
Q42028, 42029
Q42033
Q42034, 42035
CH1 HI-FI OUT 2
CH1 HI-FI OUT 3
CH2 HI-FI OUT 2
CH2 HI-FI OUT 3
P42012
HI-FI AUDIO OUTPUT
CH1 NORMAL OUT 2
CH1 NORMAL OUT 3
CH2 NORMAL OUT 2
CH2 NORMAL OUT 3
P42013
HI-FI/NOR AUDIO OUTPUT
AA12V
Q42036, C42035
POWER ON MUTE

AUDIO (1) C.B.A.

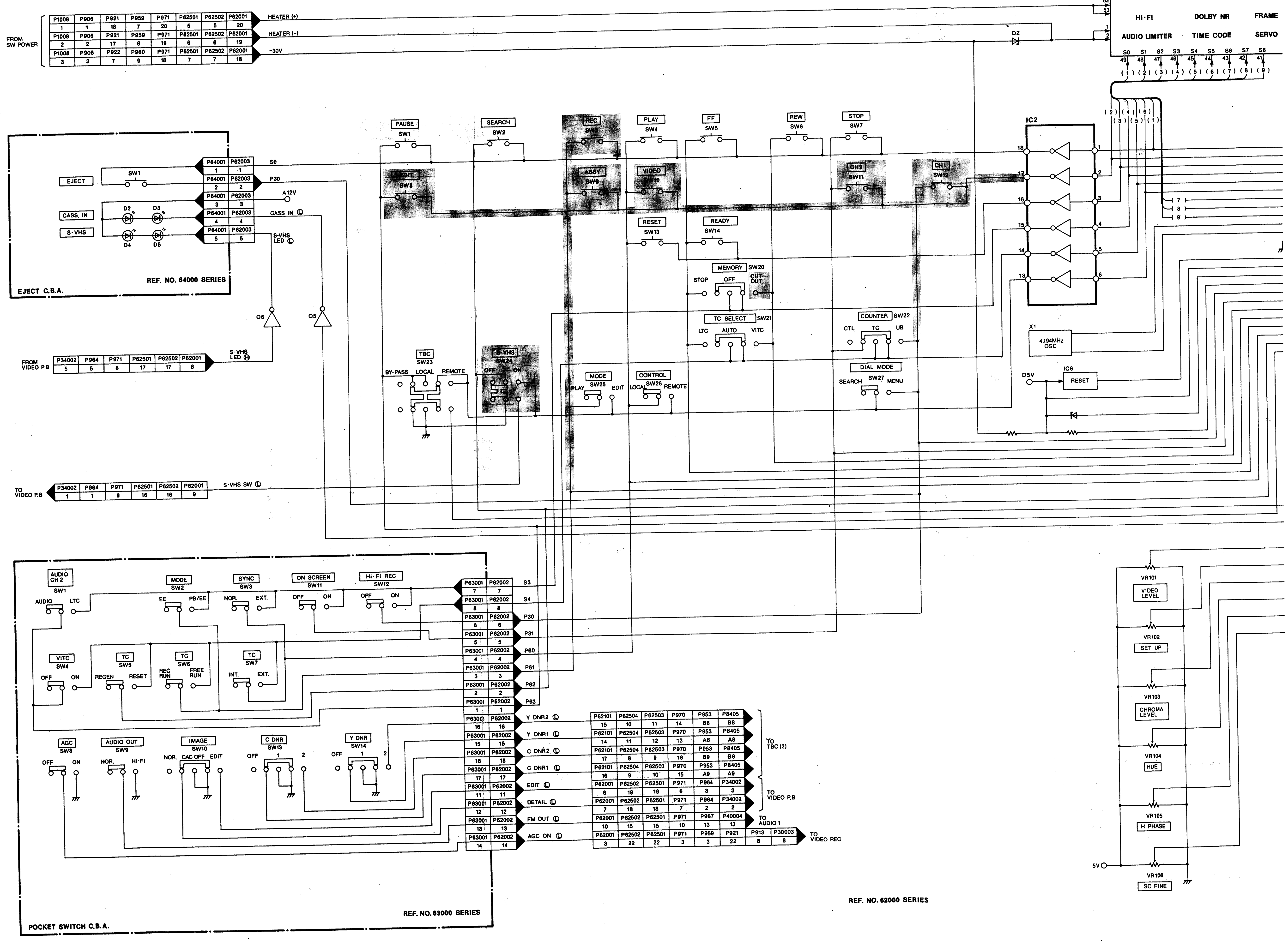
Hi-Fi AUDIO BLOCK DIAGRAM


Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MODE
Hi-Fi AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE
NORMAL AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
IC41501
AG-7650 ONLY
HI-FI CH2 IN
HI-FI CH2 E-E LEVEL
VR41508
P62202
P41501
EVR
REC
P.B
C41557, 41558
R41544~41546
20KHz L.P.F
CCA
WEIGHTING
DET
ATT
EMPHASIS
HOLD2
HOLD1
AMP
AUDIO LIM
VCO
L.P.F
PHASE COMP.
CH2 REC/P LEVEL
VR41504
VR41505
+5V
CH2 FO
HI-FI LPF
FROM KEYBOARD (NORMAL AUDIO BLOCK DIAGRAM)
VR41509
HI-FI CH1 E-E LEVEL
C41513, 41515
R41511~41513
EE/VV CTL
PB/REC CONTROL
ENVELOPE DET.
VR41501
VR41502
CH1 REC/PB LEVEL
CH1 FO
CCA INPUT LEVEL (dB)
-80 -60 -40 -20 0
-20 -40 -60 -80
STANDARD LEVEL(0dB)
RECORDING (COMPRESSION)
PLAYBACK (EXPANSION)
CCA OUTPUT LEVEL (dB)
QR41505
PB HI-FI Ⓗ
TO NORMAL AUDIO
P40007 P41503 HI-FI HEAD SW
TRIC Ⓛ
P40005 P41005 TC X2 Ⓛ
TC MUTE Ⓗ
TC E-E Ⓛ
FROM NORMAL AUDIO
HI-FI D-REC Ⓛ
QR41501
DREC Ⓗ
HI-FI MUTE Ⓛ
QR41503
HI-FI E-E Ⓛ
HI-FI REC Ⓛ
P40006 P41006 HI-FI OUT Ⓛ
TO KEYBOARD
P62202 NOR CH1 VR
HI-FI CH1 VR
HI-FI CH2 VR
AG-7650 ONLY
QR41001
Q41506 (HI-FI REC Ⓛ: ON)
+12V
TP41502 REC/PLAY 120mVp-p
REC 12V
Q41501
Q41502
QR41002
PB HI-FI Ⓗ
QR41003
TP41501
TP41501 REC/PLAY 120mVp-p
IC41002
IC41001
HI-FI MONITOR Ⓛ
IC41003
AMP
NORMAL CH1 OUT
NORMAL CH2 OUT
TO NORMAL AUDIO
TC REC OUT
TC PB
S CAS Ⓗ
TC REC Ⓛ
P40006 41006 PB HI-FI Ⓗ
P62205 NOR CH2 VR
TO FRONT JACK (NORMAL AUDIO)
P43002 P41004 MUTE Ⓗ
P40006 P41006 POWER MUTE Ⓗ
CH1 MAIN P41004 P43002
CH2 MAIN
TO FRONT JACK (NORMAL AUDIO)
IC41007
D41001, 41002, 41003 C41005
RECTIFIER
VR41001
P41003
CH1 METER ADJ.
D41004, 41005, 41006 C41006
VR41002
CH2 METER ADJ.
CH1 Ⓛ
CH2 Ⓛ
FROM FRONT JACK (NORMAL AUDIO)
Q41003
IC41004
MUTE Ⓗ
P41001 P42003
AUDIO

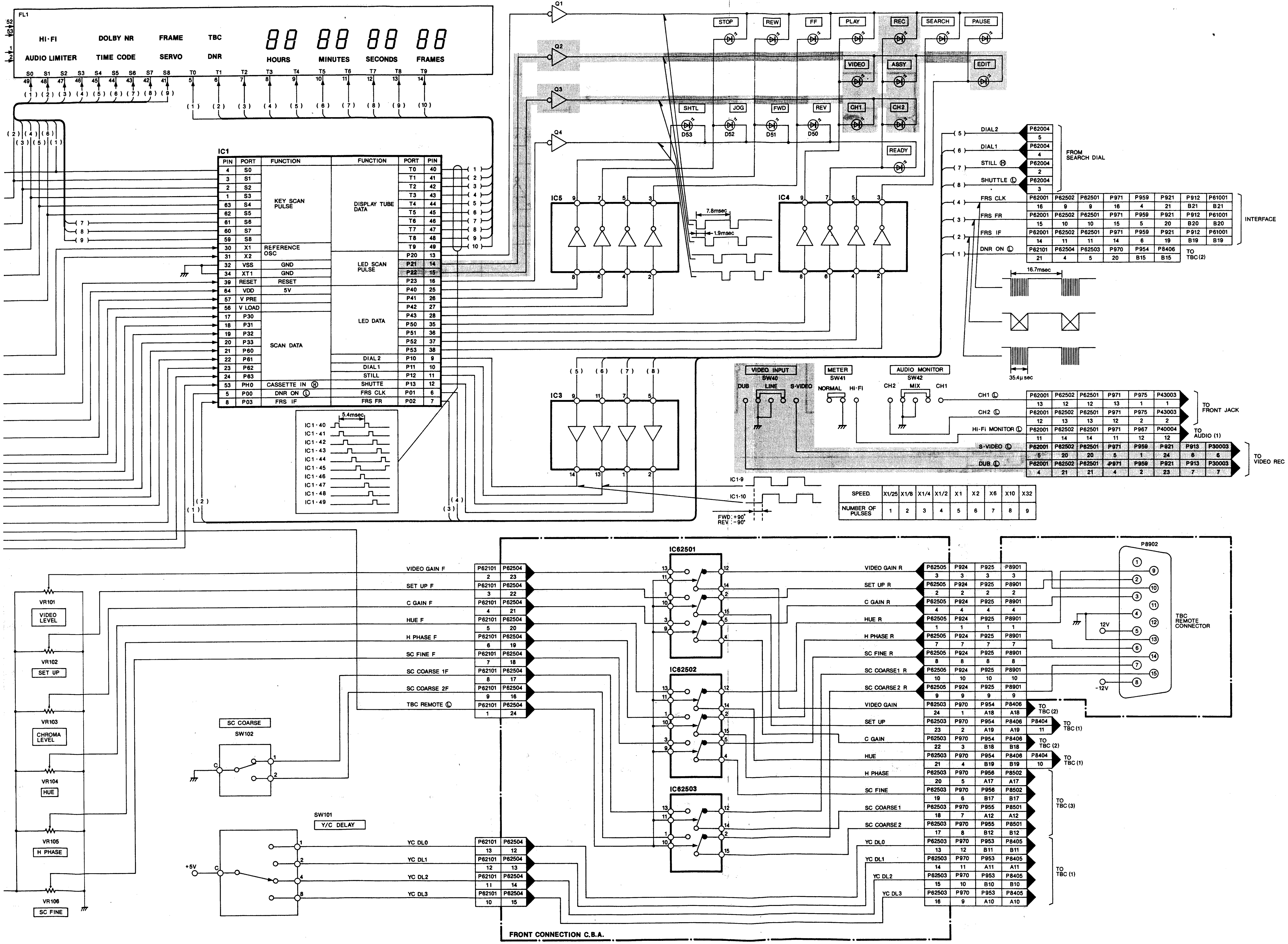
L PATH IN REC MODE
L PATH IN PLAYBACK MODE


DEVIATION (100KHz)
1.3MHz
TP41505 REC 70mVp-p
VR41504
VR41505
+5V
CH2 FO
VCO
HI-FI LPF
L.P.F
PHASE COMP.
HI-FI LIM
HOLD MM
D.O DET
TP41503 PLAY 270mVp-p
FL41501
1.3MHz B.P.F.
1.7MHz B.P.F.
Q41503
AMP
AUDIO HEAD SW SHIFT
IC41503
VR41503
HI-FI HEAD SW
REC 12V
Q41504
QR41504
S CAS Ⓗ
D-REC Ⓗ
QR41603
TP41504 PLAY 480mVp-p
TP41506 REC 210mVp-p
DEVIATION (100KHz)
1.7MHz
CH1 REC/PB LEVEL
CH1 FO
HEAD SW
AUDIO (1) C.B.A.
MOTHER (2) C.B.A.
MOTHER (1) C.B.A.
P41503 P40007 P40004 P967 P960 P922 P909 P2002
1 1 6 6 4 12 11B 11B
FROM CYLINDER SERVO
IC41601
REC AMP
(P.B: ON)
20dB AMP
SW
RF PRE. AMP
TP41601 REC 0.3Vp-p
TP41602 REC 48mVp-p
P41601
L AZIMUTH HEAD
R AZIMUTH HEAD
Q41602
TRIC/REC Ⓗ
AUDIO HEAD-R (42μm)
AUDIO HEAD-L (42μm)
SMALL RF OUTPUT
PRE-AMP OUT
DISCONTINUOUS PHASE AT DC OFFSET PORTION
AUDIO H.SW (30Hz)
QR41601
TRIC Ⓛ
CH1 HI-FI/NOR AMP OUT
CH2 HI-FI/NOR AMP OUT
CH1 HI-FI AMP OUT
CH2 HI-FI AMP OUT
MUTE Ⓗ
P41001 P42003
P41002 P42004
TO AUDIO JACK (NORMAL AUDIO)
IC41009
AMP
Q41005
IC41006
IC41005
TIME CODE IN
FROM AUDIO JACK
LTC EXT IN
D41001, 41002, 41003
C41005
RECTIFIER
VR41001
P41003 P47001
CH1 AUDIO METER
CH1 METER ADJ.
D41004, 41005, 41006
C41006
VR41002
CH2 AUDIO METER
CH2 METER ADJ.
METER C.B.A.
P43002
FROM FRONT JACK (NORMAL AUDIO)
IC41008
QR41004
IC41010
LTC OUT
LTC/TCR ON Ⓛ
LTC PB (X)
Q41004
BUFFER
TIME CODE OUT
TO AUDIO JACK
TC X2 Ⓛ
Q41003
MUTE Ⓗ
AUDIO JACK C.B.A.
P41001 P42003 P42005 P67010
2 2 1 1
AUDIO MONITOR OUT
OUTPUT JACK (1) C.B.A.
FROM/TO TIME CODE C.B.A. (OPTIONAL UNIT)
P68001 P61004 P61001 P912 P921 P959 P968 P40003 P40005 P41005
16A 16A 7A 7A 11 14 6 6 1 1
16B 16B 7B 7B 10 15 5 5 2 2
17A 17A 6A 6A 9 10 4 4 3 3
17B 17B 6B 6B 7 18 3 3 4 4
INTERFACE C.B.A.
MOTHER (1) C.B.A.
MOTHER (2) C.B.A.
AUDIO (1) C.B.A.
VR41003
TC METER ADJ.
FRONT CONNECTION C.B.A.
FROM KEYBOARD
P62001 P62502 P62501 P971 P987 P40004 P40006 P41008
11 14 14 11 12 12 7 7
HI-FI MONITOR Ⓛ

KEY BOARD BLOCK DIAGRAM



FROM SW POWER
HEATER (+)
HEATER (−)
−30V
FL1
HI-FI
DOLBY NR
FRAME
AUDIO LIMITER
TIME CODE
SERVO
S0 S1 S2 S3 S4 S5 S6 S7 S8
D2
EJECT C.B.A.
REF. NO. 64000 SERIES
EJECT
SW1
CASS. IN
S-VHS
D2 D3 D4 D5
S0
P30
A12V
CASS IN Ⓛ
S-VHS LED Ⓛ
Q6
Q5
FROM VIDEO P.B
S-VHS LED Ⓗ
TO VIDEO P.B
S-VHS SW Ⓛ
PAUSE SW1
SEARCH SW2
REC SW3
PLAY SW4
FF SW5
REW SW6
STOP SW7
EDIT SW8
ASSY SW9
VIDEO SW10
CH2 SW11
CH1 SW12
RESET SW13
READY SW14
MEMORY SW20
STOP OFF CUT OUT
TC SELECT SW21
LTC AUTO VITC
COUNTER SW22
CTL TC UB
TBC SW23
BY-PASS LOCAL REMOTE
S-VHS SW24
OFF ON
MODE SW25
PLAY EDIT
CONTROL SW26
LOCAL REMOTE
DIAL MODE SW27
SEARCH MENU
IC2
X1
4.194MHz OSC
D5V
IC6
RESET
POCKET SWITCH C.B.A.
REF. NO. 63000 SERIES
AUDIO CH 2 SW1
AUDIO LTC
MODE SW2
EE PB/EE
SYNC SW3
NOR. EXT.
ON SCREEN SW11
OFF ON
HI-FI REC SW12
OFF ON
VITC SW4
OFF ON
TC SW5
REGEN RESET
TC SW6
REC RUN FREE RUN
TC SW7
INT. EXT.
AGC SW8
OFF ON
AUDIO OUT SW9
NOR. HI-Fi
IMAGE SW10
NOR. CAC OFF EDIT
C DNR SW13
OFF 1 2
Y DNR SW14
OFF 1 2
S3 S4 P30 P31 P60 P61 P62 P63
Y DNR2 Ⓛ
Y DNR1 Ⓛ
C DNR2 Ⓛ
C DNR1 Ⓛ
EDIT Ⓛ
DETAIL Ⓛ
FM OUT Ⓛ
AGC ON Ⓛ
TO TBC (2)
TO VIDEO P.B
TO AUDIO 1
TO VIDEO REC
REF. NO. 62000 SERIES
VR101 VIDEO LEVEL
VR102 SET UP
VR103 CHROMA LEVEL
VR104 HUE
VR105 H PHASE
VR106 SC FINE
5V


FL1
HI-FI
DOLBY NR
FRAME
TBC
AUDIO LIMITER
TIME CODE
SERVO
DNR
HOURS
MINUTES
SECONDS
FRAMES
IC1
PIN PORT FUNCTION
KEY SCAN PULSE
REFERENCE OSC
GND
RESET
5V
SCAN DATA
CASSETTE IN Ⓗ
DNR ON Ⓛ
FRS IF
DISPLAY TUBE DATA
LED SCAN PULSE
LED DATA
DIAL 2
DIAL 1
STILL
SHUTTE
FRS CLK
FRS FR
5.4msec
Q1
Q2
Q3
Q4
STOP
REW
FF
PLAY
REC
SEARCH
PAUSE
VIDEO
ASSY
EDIT
SHTL
JOG
FWD
REV
CH1
CH2
READY
D53
D52
D51
D50
IC5
IC4
IC3
7.8msec
1.9msec
16.7msec
35.4μsec
DIAL2
DIAL1
STILL Ⓗ
SHUTTLE Ⓛ
FROM SEARCH DIAL
FRS CLK
FRS FR
FRS IF
DNR ON Ⓛ
INTERFACE
TO TBC(2)
VIDEO INPUT SW40
DUB
LINE
S-VIDEO
METER SW41
NORMAL
HI-FI
AUDIO MONITOR SW42
CH2
MIX
CH1
CH1 Ⓛ
CH2 Ⓛ
HI-FI MONITOR Ⓛ
S-VIDEO Ⓛ
DUB Ⓛ
TO FRONT JACK
TO AUDIO (1)
TO VIDEO REC
IC1-9
IC1-10
FWD: +90°
REV: -90°
SPEED X1/25 X1/8 X1/4 X1/2 X1 X2 X6 X10 X32
NUMBER OF PULSES 1 2 3 4 5 6 7 8 9
VR101 VIDEO LEVEL
VR102 SET UP
VR103 CHROMA LEVEL
VR104 HUE
VR105 H PHASE
VR106 SC FINE
SC COARSE SW102
SW101 Y/C DELAY
+5V
VIDEO GAIN F
SET UP F
C GAIN F
HUE F
H PHASE F
SC FINE F
SC COARSE 1F
SC COARSE 2F
TBC REMOTE Ⓛ
YC DL0
YC DL1
YC DL2
YC DL3
IC62501
IC62502
IC62503
VIDEO GAIN R
SET UP R
C GAIN R
HUE R
H PHASE R
SC FINE R
SC COARSE1 R
SC COARSE2 R
VIDEO GAIN
SET UP
C GAIN
HUE
H PHASE
SC FINE
SC COARSE 1
SC COARSE 2
TO TBC (1)
TO TBC (2)
TO TBC (3)
P8902
TBC REMOTE CONNECTOR
12V
-12V
FRONT CONNECTION C.B.A.

Section 8

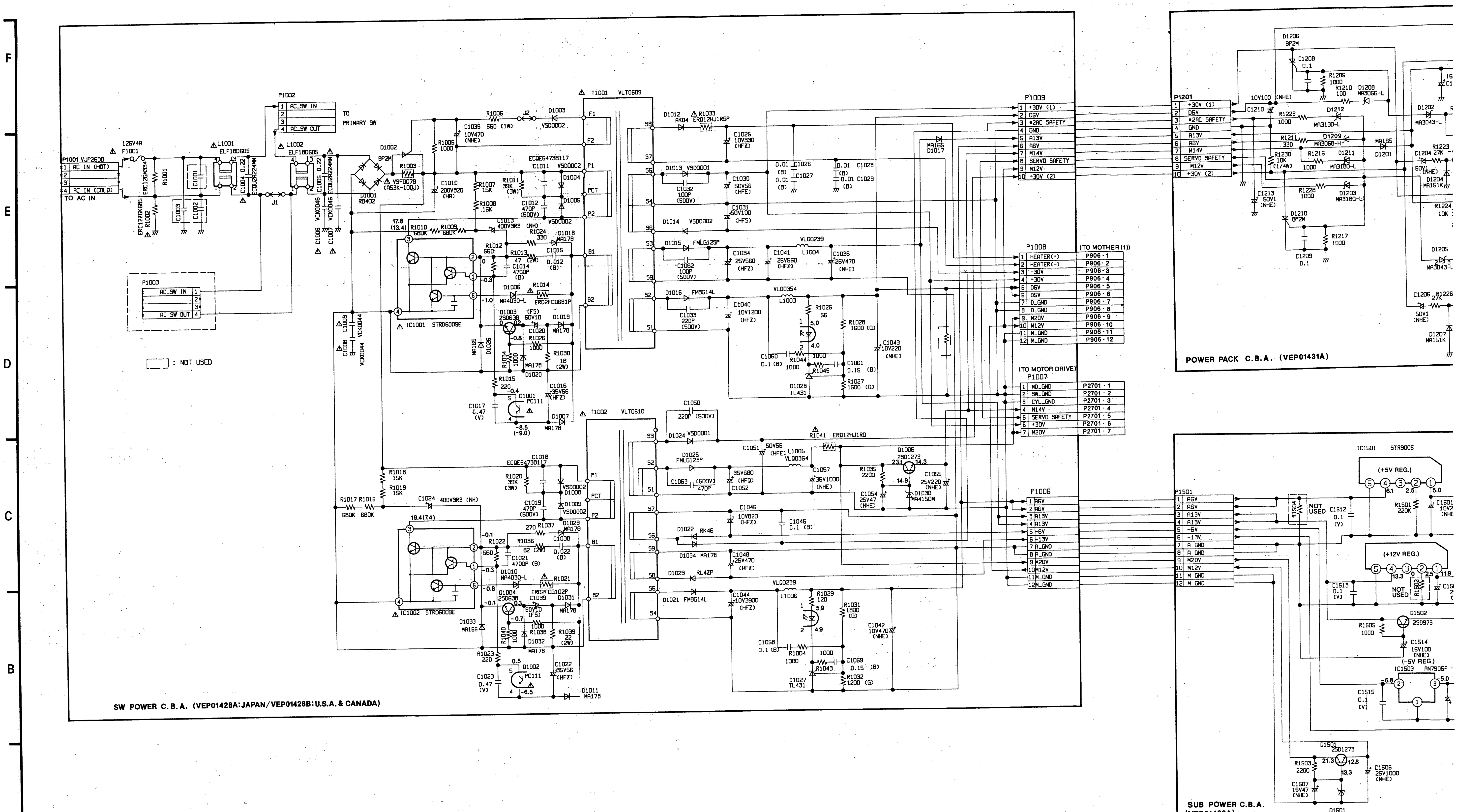
SCHEMATIC DIAGRAMS
AND
CIRCUIT BOARDS

CONTENTS

Power Schematic Diagram 8-3
Power C.B.A.,Power Pack C.B.A. and Sub Power C.B.A. 8-3
Mother (1) C.B.A.,TBC Remote C.B.A. and FE Head C.B.A. 8-4
Mother (1) Schematic Diagram 8-4
System Control & Reel Servo Schematic Diagram 8-5
Servo & System Control C.B.A. and Motor Base C.B.A. 8-6
Control Amp & Capstan Servo Schematic Diagram 8-7
Cylinder Servo Schematic Diagram 8-8
Servo Drive C.B.A. 8-8
Servo Drive Schematic Diagram 8-9
Interface Schematic Diagram 8-10
Interface C.B.A.,9P Jack C.B.A. and 34P C.B.A. 8-11
Video REC C.B.A. 8-12
REC Y/C Process Schematic Diagram 8-13
Luminance REC Schematic Diagram 8-14
Chrominance REC Schematic Diagram 8-15
Head Amp Schematic Diagram 8-16
Head Amp C.B.A. 8-17
Sub Video Schematic Diagram 8-18
Sub Video C.B.A. 8-19
Luminance PB (1) Schematic Diagram 8-20
Luminance PB (2) Schematic Diagram 8-21
Video PB C.B.A.,PB Y Sub (1) C.B.A.,PB Sub (2) C.B.A. and ACC SW C.B.A. 8-22
RF PB Schematic Diagram 8-23
Chrominance PB Schematic Diagram 8-24
Input Jack C.B.A.,Output Jack (1) C.B.A.,Output Jack (2) C.B.A.,4P Input Jack C.B.A. and 4P Output Jack C.B.A. 8-25
Input Jack & Output Jack Schematic Diagram 8-25
Audio (1) C.B.A. 8-26
Normal Audio Schematic Diagram 8-27
Hi-Fi Audio Schematic Diagram 8-28
Audio (2) C.B.A. and Meter C.B.A. 8-29
Audio Jack and Front Jack Schematic Diagram 8-30
Audio Jack C.B.A. and Front Jack C.B.A. 8-31
Mother (2) Schematic Diagram 8-32
Mother (2) C.B.A. 8-33
TBC (1) Schematic Diagram 8-34
TBC (1) C.B.A.,TBC Sub (1) C.B.A. and TBC Sub (2) C.B.A. 8-35
TBC A (2) Schematic Diagram 8-36
TBC A (2) C.B.A. and D/A Sub C.B.A. 8-37
TBC A (3) Schematic Diagram 8-38
TBC A (3) C.B.A. and TBC Sub (3) C.B.A. 8-39
Keyboard C.B.A.,Pocket SW C.B.A.,Front Connect C.B.A. and Eject C.B.A. 8-40
Keyboard Schematic Diagram 8-41
Interconnection Schematic Diagram 8-42

NOTE:
AG-7750 only have components and/or wires identified by shade ▨ mark on these schematic diagrams.

POWER SCHEMATIC DIAGRAM


SW POWER C.B.A. (VEP01428A: JAPAN/VEP01428B: U.S.A. & CANADA)
POWER PACK C.B.A. (VEP01431A)
SUB POWER C.B.A. (VEP01429A)
P1001 VJP2638
AC IN (HOT)
AC IN (COLD)
TO AC IN
P1002
AC_SW IN
AC_SW OUT
TO PRIMARY SW
P1003
: NOT USED
T1001 VLT0609
T1002 VLT0610
IC1001 STRD6009E
IC1002 STRD6009E
P1009
+30V (1)
D5V
*2AC SAFETY
GND
A13V
A6V
M14V
SERVO SAFETY
M12V
+30V (2)
P1008
(TO MOTHER(1))
HEATER(+)
HEATER(-)
-30V
+30V
D5V
D_GND
M20V
M12V
M_GND
P906 · 1
P906 · 12
(TO MOTOR DRIVE)
P1007
MO_GND
SW_GND
CYL_GND
M14V
SERVO SAFETY
+30V
M20V
P2701 · 1
P2701 · 7
P1006
A6V
A13V
-6V
-13V
A_GND
M20V
M12V
M_GND
P1201
P1501
IC1501 STR9005
(+5V REG.)
(+12V REG.)
(-5V REG.)
IC1503 AN7905F
NOT USED
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★ パーツの注文については、パーツリストを参照してください。

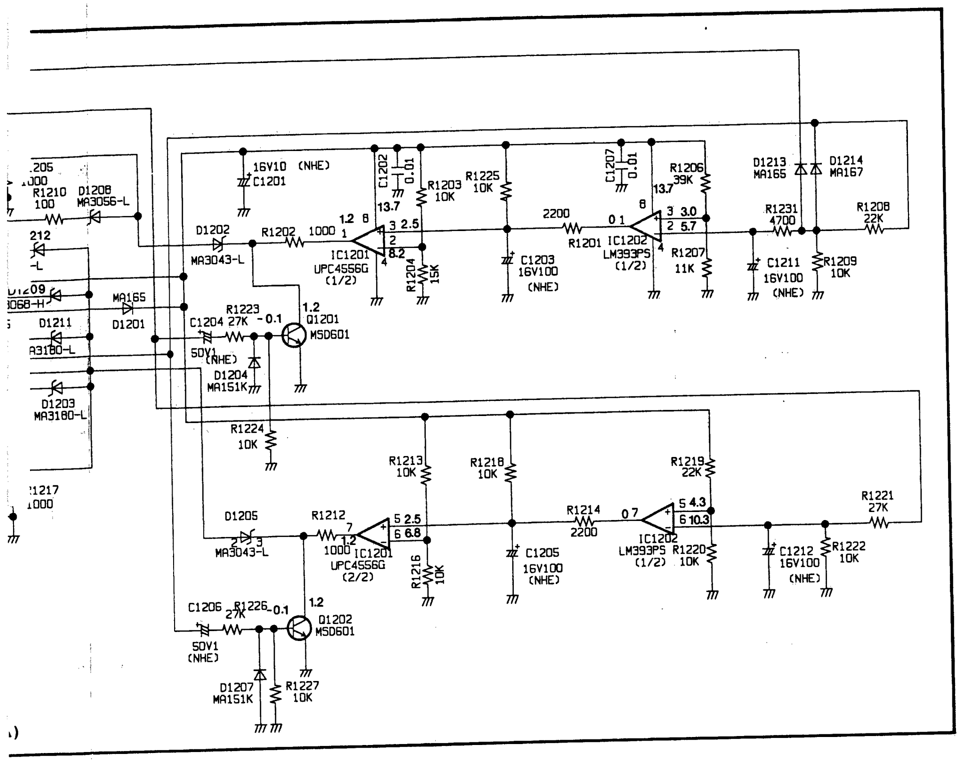
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (　　) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

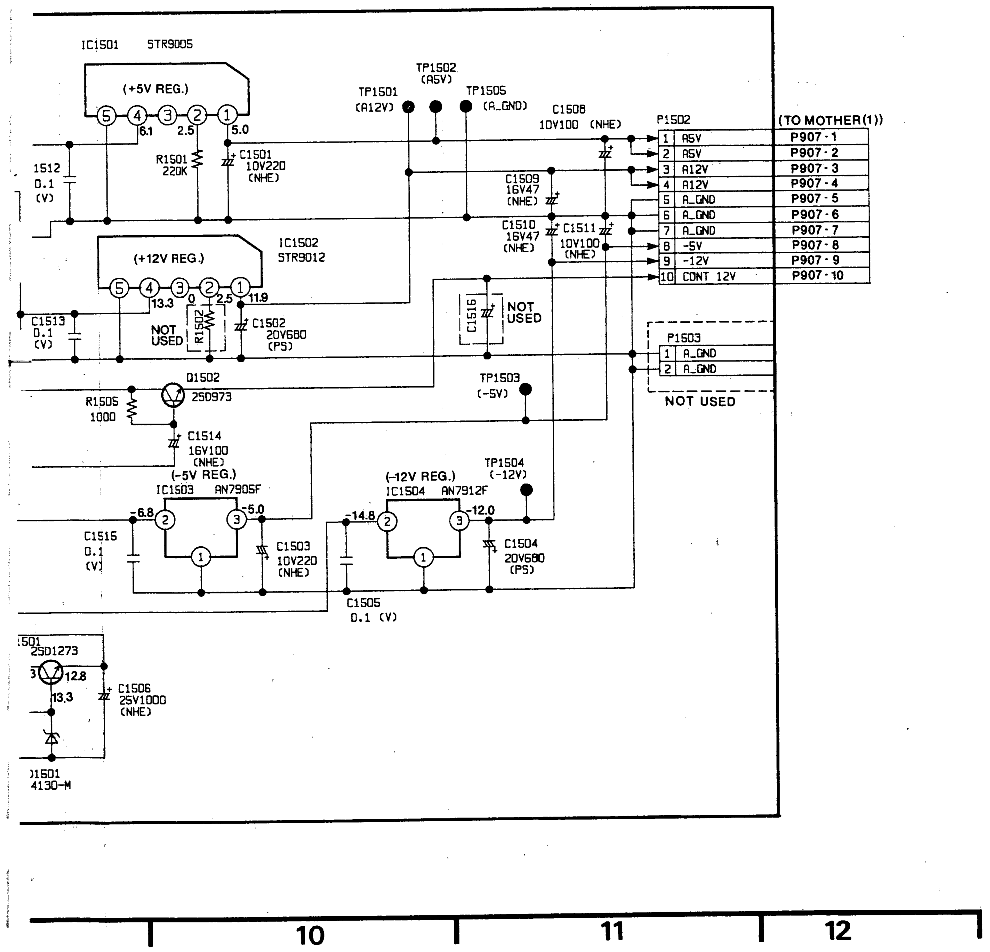
注意：DC電圧の測定値は、録画は（　）付
停止は（　）なし
録画停止共通は（　）なしで示してあります。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

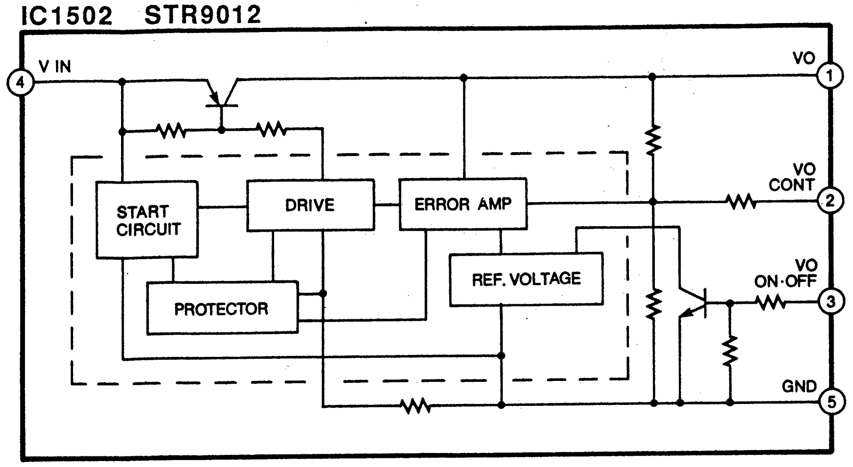
安全部品の注意
⚠が付いている部品は、安全上重要な部品です。交換時には必ず指定部品での交換をお願い致します。

POWER C.B.A. (VEP01428A: JAPAN/VEP01428B: U.S.A. & CANADA), POWER PACK C.B.A. (VEP01 AND SUB POWER C.B.A. (VEP01429A)

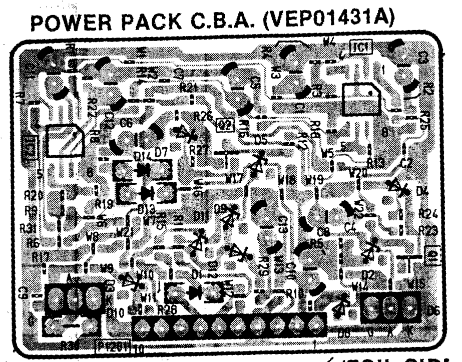

16V10 (NHE) C1201
C1202 0.01
R1203 10K
R1225 10K
C1207 0.01
R1206 39K
D1213 MA165
D1214 MA167
R1210 100
D1208 MA3056-L
D1202
R1202 1000
IC1201 UPC4556G (1/2)
R1204 15K
2200
R1201
IC1202 LM393PS (1/2)
C1203 16V100 (NHE)
R1207 11K
R1231 4700
R1208 22K
C1211 16V100 (NHE)
R1209 10K
MA3043-L
MA165 D1201
R1223 27K
C1204 50V1 (NHE)
Q1201 MSD601
D1204 MA151K
D1211
D1203 MA3180-L
R1224 10K
R1213 10K
R1218 10K
R1219 22K
R1221 27K
D1205
R1212 1000
MA3043-L
IC1201 UPC4556G (2/2)
R1216 10K
R1214 2200
C1205 16V100 (NHE)
IC1202 LM393PS (1/2)
R1220 10K
C1212 16V100 (NHE)
R1222 10K
C1206 50V1 (NHE)
R1226 27K
Q1202 MSD601
D1207 MA151K
R1227 10K


IC1501 STR9005
(+5V REG.)
R1501 220K
C1501 10V220 (NHE)
C1512 0.1 (V)
TP1501 (A12V)
TP1502 (A5V)
TP1505 (A_GND)
C1508 10V100 (NHE)
P1502
(TO MOTHER(1))
1 A5V P907-1
2 A5V P907-2
3 A12V P907-3
4 A12V P907-4
5 A_GND P907-5
6 A_GND P907-6
7 A_GND P907-7
8 -5V P907-8
9 -12V P907-9
10 CONT 12V P907-10
C1509 16V47 (NHE)
C1510 16V47 (NHE)
C1511 10V100 (NHE)
(+12V REG.)
IC1502 STR9012
C1513 0.1 (V)
NOT USED
R1502
C1502 20V680 (PS)
C1516 NOT USED
P1503
1 A_GND
2 A_GND
NOT USED
TP1503 (-5V)
R1505 1000
Q1502 2SD973
C1514 16V100 (NHE)
(-5V REG.)
IC1503 AN7905F
C1515 0.1 (V)
C1503 10V220 (NHE)
(-12V REG.)
IC1504 AN7912F
TP1504 (-12V)
C1504 20V680 (PS)
C1505 0.1 (V)
2SD1273
C1506 25V1000 (NHE)
4130-M
10
11
12

IC1501 STR9005
IC1502 STR9012

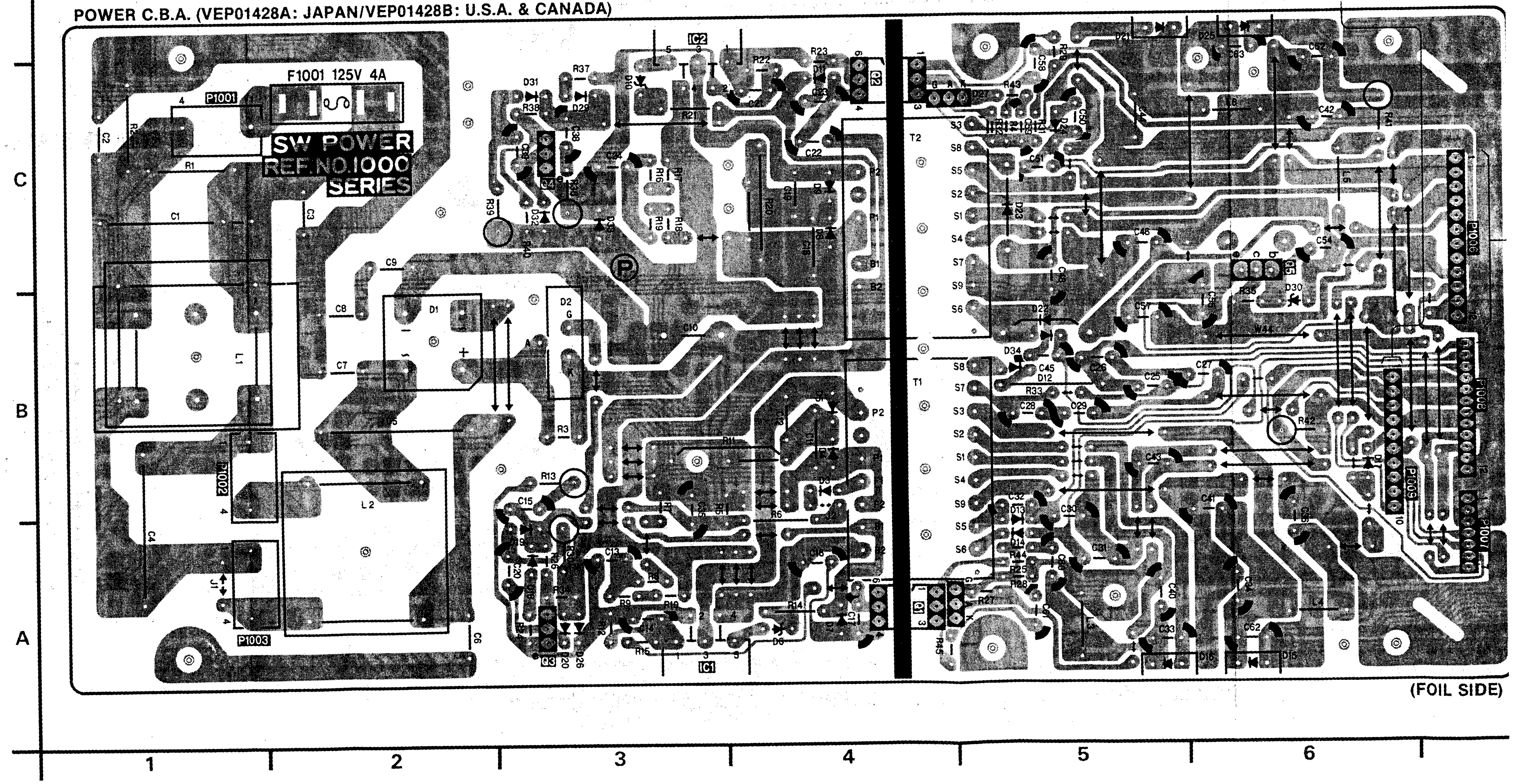

V IN
4
VO
1
VO CONT
2
VO ON·OFF
3
GND
5
START CIRCUIT
DRIVE
ERROR AMP
PROTECTOR
REF. VOLTAGE

POWER PACK C.B.A. (VEP01431A)



(FOIL SIDE

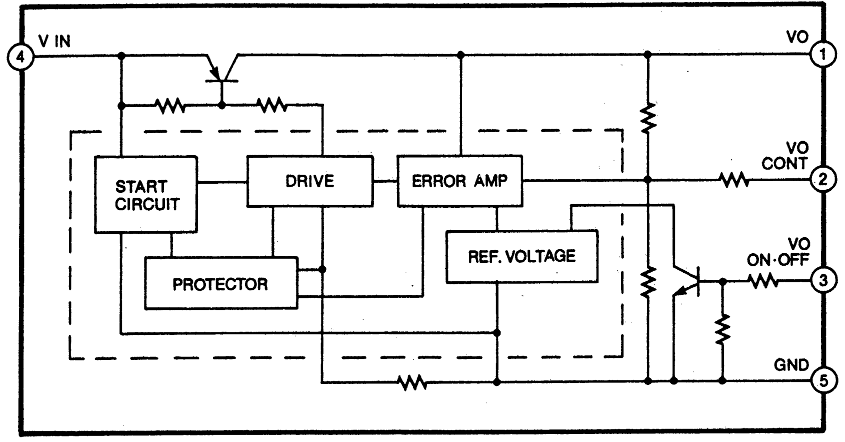
POWER C.B.A. (VEP01428A: JAPAN/VEP01428B: U.S.A. & CANADA)


E
D
C
B
A
1
2
3
4
5
6
F1001 125V 4A
P1001
SW POWER
REF.NO.1000
SERIES
P1002
P1003
L1
L2
D1
D2
T1
T2
IC1
IC2
P1005
P1006
P1007

(FOIL SIDE)

POWER C.B.A. (VEP01428A: JAPAN/VEP01428B: U.S.A. & CANADA), POWER PACK C.B.A. (VEP01431A) AND SUB POWER C.B.A. (VEP01429A)

IC1501 STR9005
IC1502 STR9012



4
V IN
VO
1
START CIRCUIT
DRIVE
ERROR AMP
VO CONT
2
REF. VOLTAGE
PROTECTOR
VO ON·OFF
3
GND
5

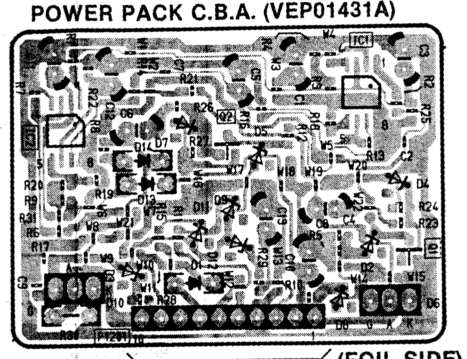
POWER C.B.A. and POWER PACK C.B.A.	
Transistors	
Q1001	A-4
Q1002	C-4
Q1003	A-3
Q1004	C-3
Q1005	B-6
Q1201	D-7
Q1202	E-6
Integrated Circuits	
IC1001	A-3
IC1002	C-3
IC1201	E-6
IC1202	E-5
Connectors	
P1001	C-1
P1002	B-1
P1003	A-1
P1006	C-7
P1007	A-7
P1008	B-7
P1009	B-6
P1201	D-6

ADDRESS INFORMATION

SUB POWER C.B.A.	
Transistors	
Q1501	C-8
Q1502	C-8
Integrated Circuits	
IC1501	B-9
IC1502	C-9
IC1503	A-9
IC1504	A-8
Test Points	
TP1501	C-9
TP1502	C-9
TP1503	A-8
TP1504	B-8
TP1505	C-9
Connectors	
P1501	C-7
P1502	B-7

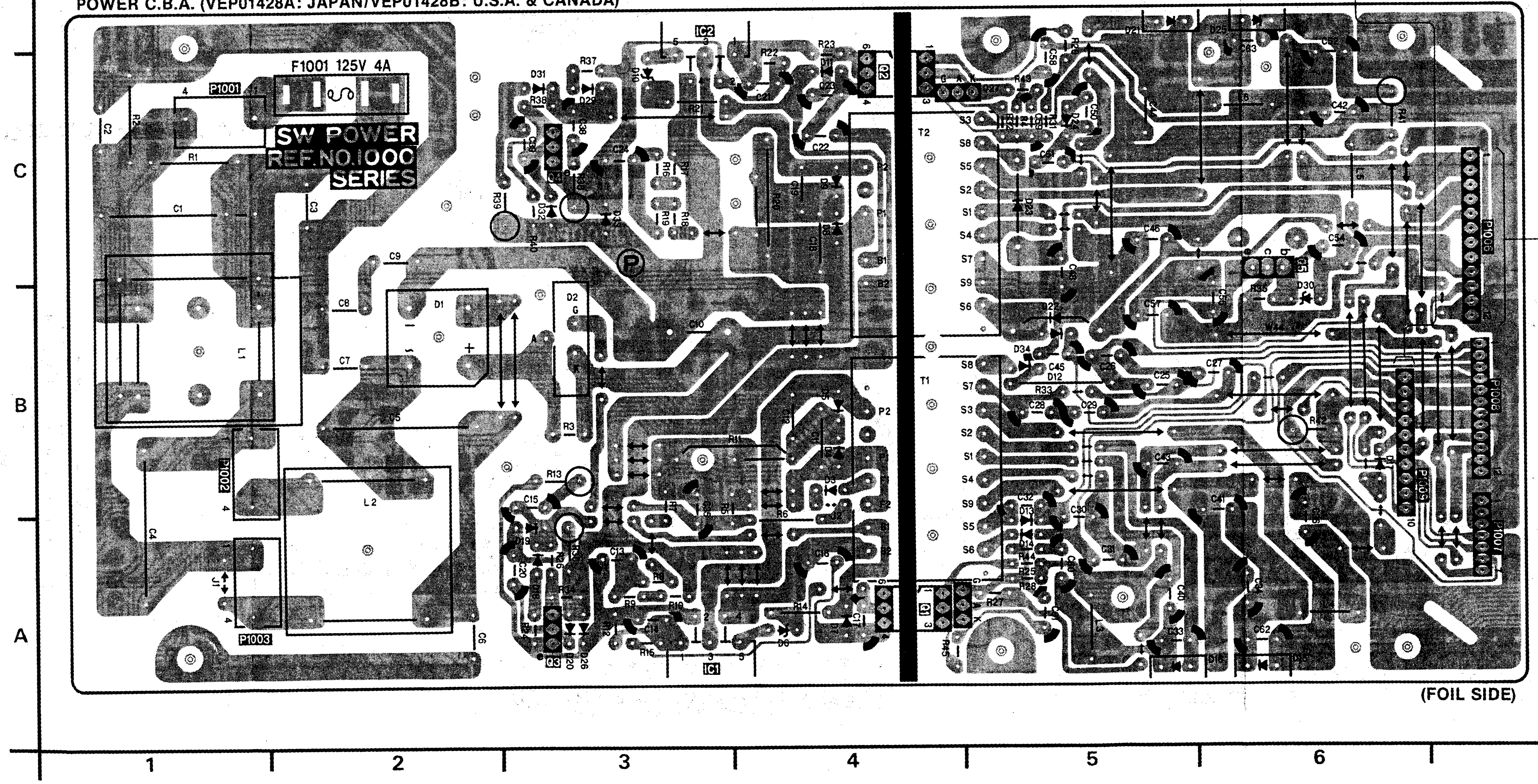
ADDRESS INFORMATION

POWER PACK C.B.A. (VEP01431A)



(FOIL SIDE)

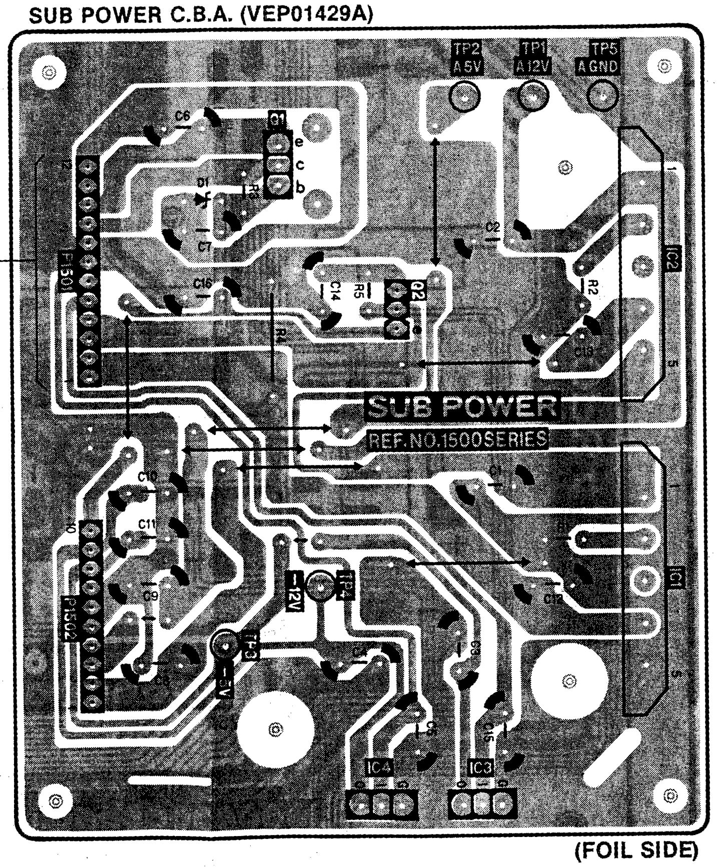
POWER C.B.A. (VEP01428A: JAPAN/VEP01428B: U.S.A. & CANADA)



E
D
C
B
A
1
2
3
4
5
6
7
F1001 125V 4A
P1001
SW POWER
REF.NO.1000
SERIES
P1002
P1003
IC1
IC2
T1
T2
P1006
P1007
P1008
P1009

(FOIL SIDE)

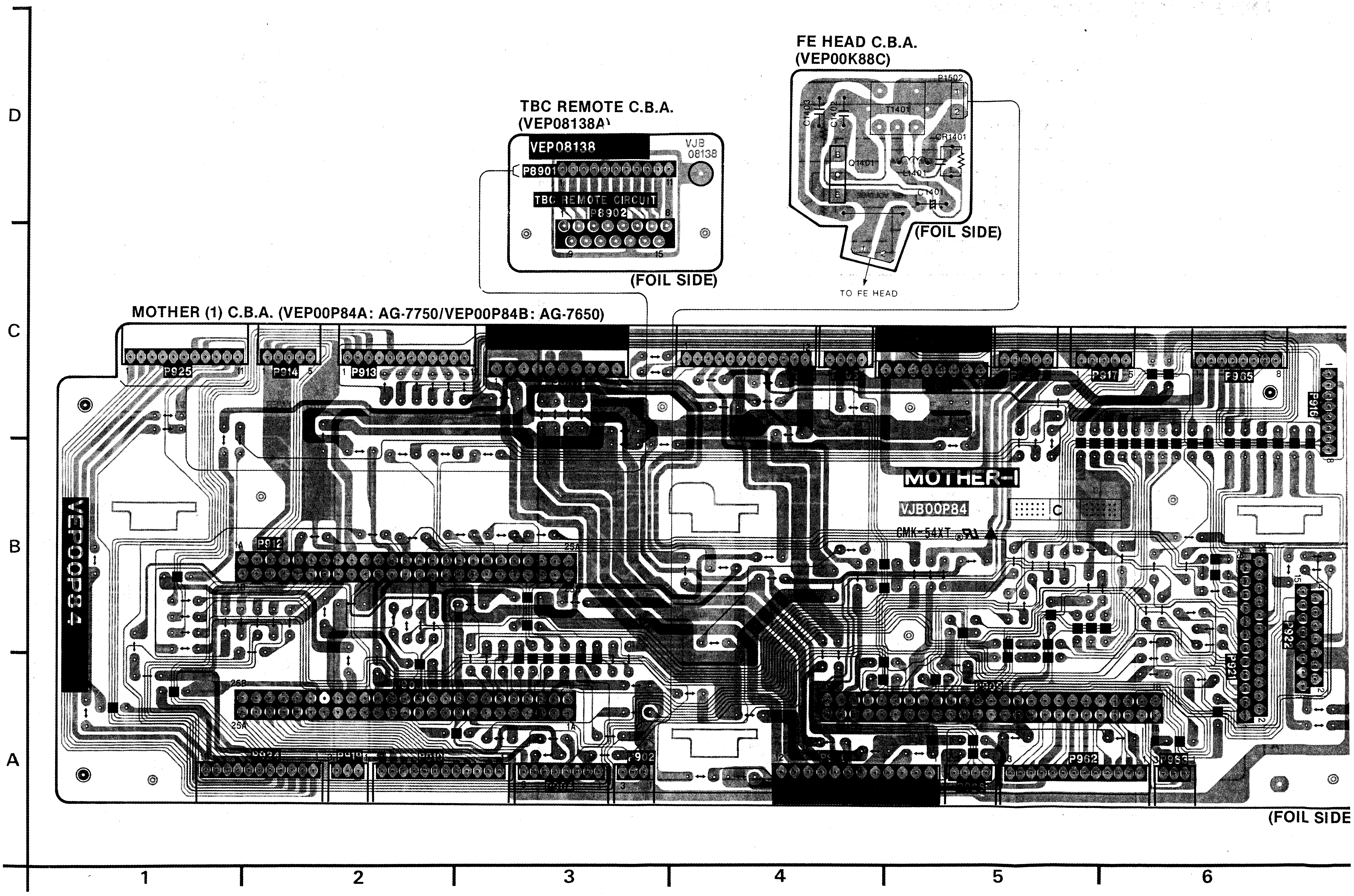
SUB POWER C.B.A. (VEP01429A)



TP2 A5V
TP1 A12V
TP5 AGND
SUB POWER
REF.NO.1500SERIES
P1501
P1502
IC1
IC2
IC3
IC4
-12V
8
9

(FOIL SIDE)

MOTHER (1) C.B.A. (VEP00P84A: AG-7750/VEP00P84B: AG-7650), TBC REMOTE C.B.A. (VEP08138A) AND FE HEAD C.B.A. (VEP00K88C: AG-7750


FE HEAD C.B.A.
(VEP00K88C)
P1502
C1403
C1402
T1401
CR1401
Q1401
L1401
C1401
B
C
E
(FOIL SIDE)
TO FE HEAD
TBC REMOTE C.B.A.
(VEP08138A)
VEP08138
VJB
08138
P8901
TBC REMOTE CIRCUIT
P8902
(FOIL SIDE)
MOTHER (1) C.B.A. (VEP00P84A: AG-7750/VEP00P84B: AG-7650)
P925
P914
P913
P917
P965
P916
VEP00P84
P912
MOTHER-I
VJB00P84
CMK-54XT
P922
P921
P962
P963
P902
P904
(FOIL SIDE
D
C
B
A
1
2
3
4
5
6

C.B.A. (VEP00K88C: AG-7750 ONLY)

MOTHER (1) C.B.A.	
Connectors	
P902	A-3
P904	A-3
P905	C-4
P906	C-4
P907	C-3
P908	A-2
P909	A-5
P910	A-2
P912	B-2
P913	C-2
P914	C-2
P916	C-6
P917	C-5
P918	C-5
P919	A-2
P920	A-4
P921	A-6
P922	B-6
P923	C-5
P924	A-2
P925	C-1
P926	A-5
P962	A-5
P963	A-6
P965	C-6

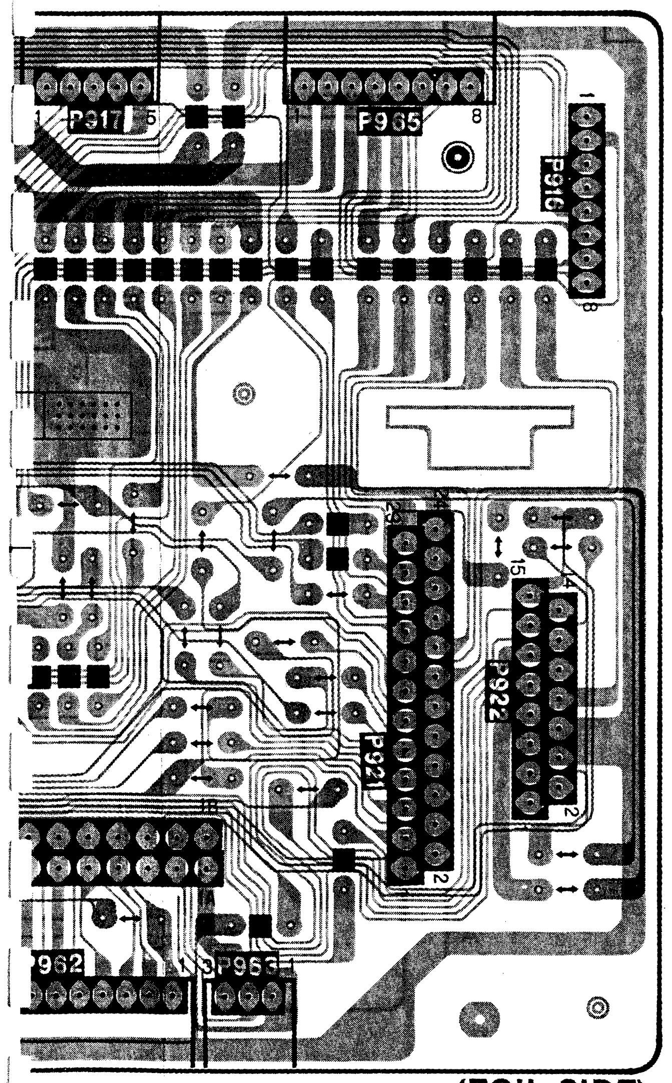
ADDRESS INFORMATION

TBC REMOTE C.B.A.	
Connectors	
P8901	D-3
P8902	C-3

ADDRESS INFORMATION

FEHEAD C.B.A.	
Transistor	
Q1401	D-4
Connector	
P1502	D-5

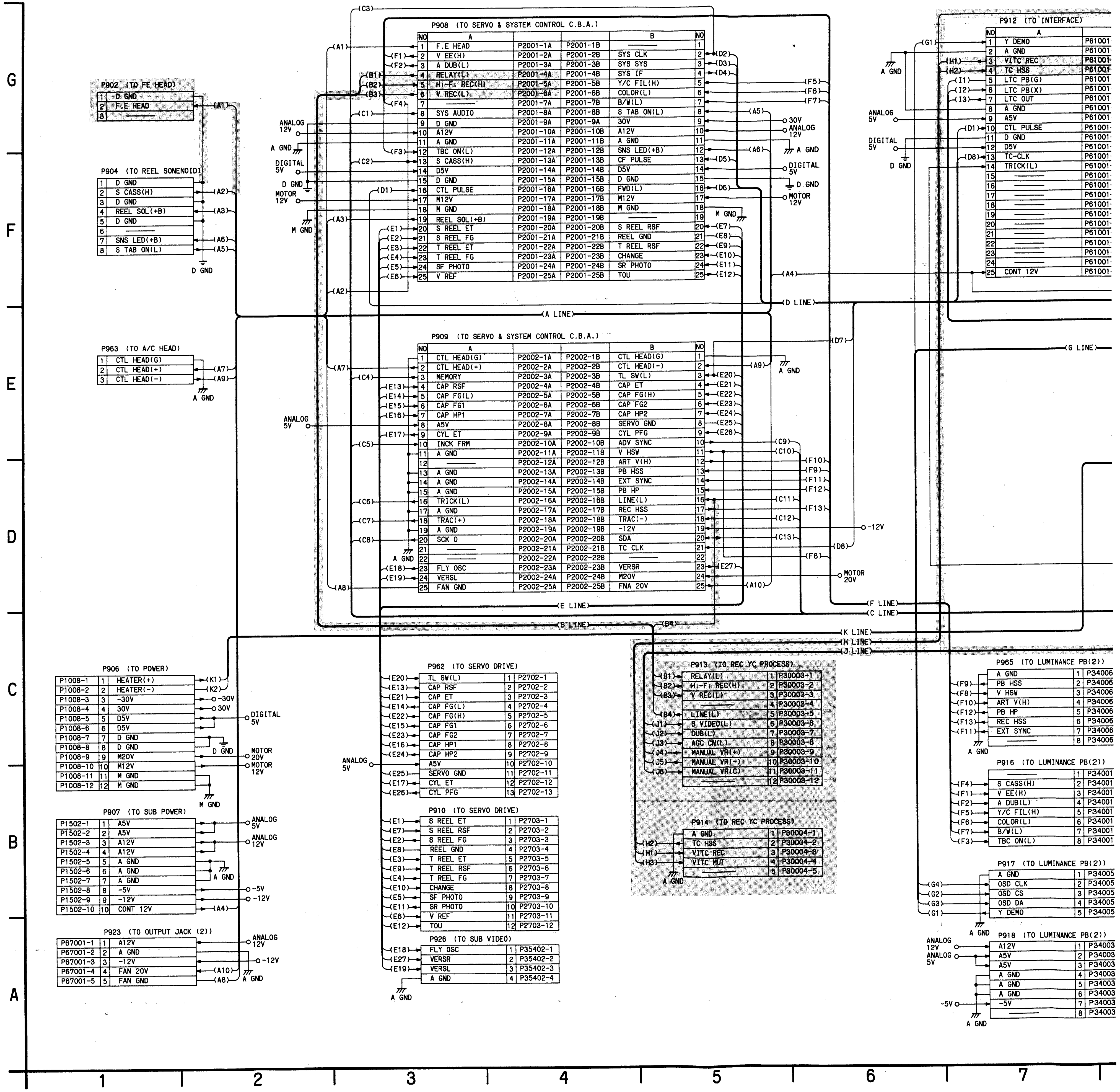
ADDRESS INFORMATION


P917
1
5
P965
8
P916
1
8
P922
15
2
P921
2
962
P963

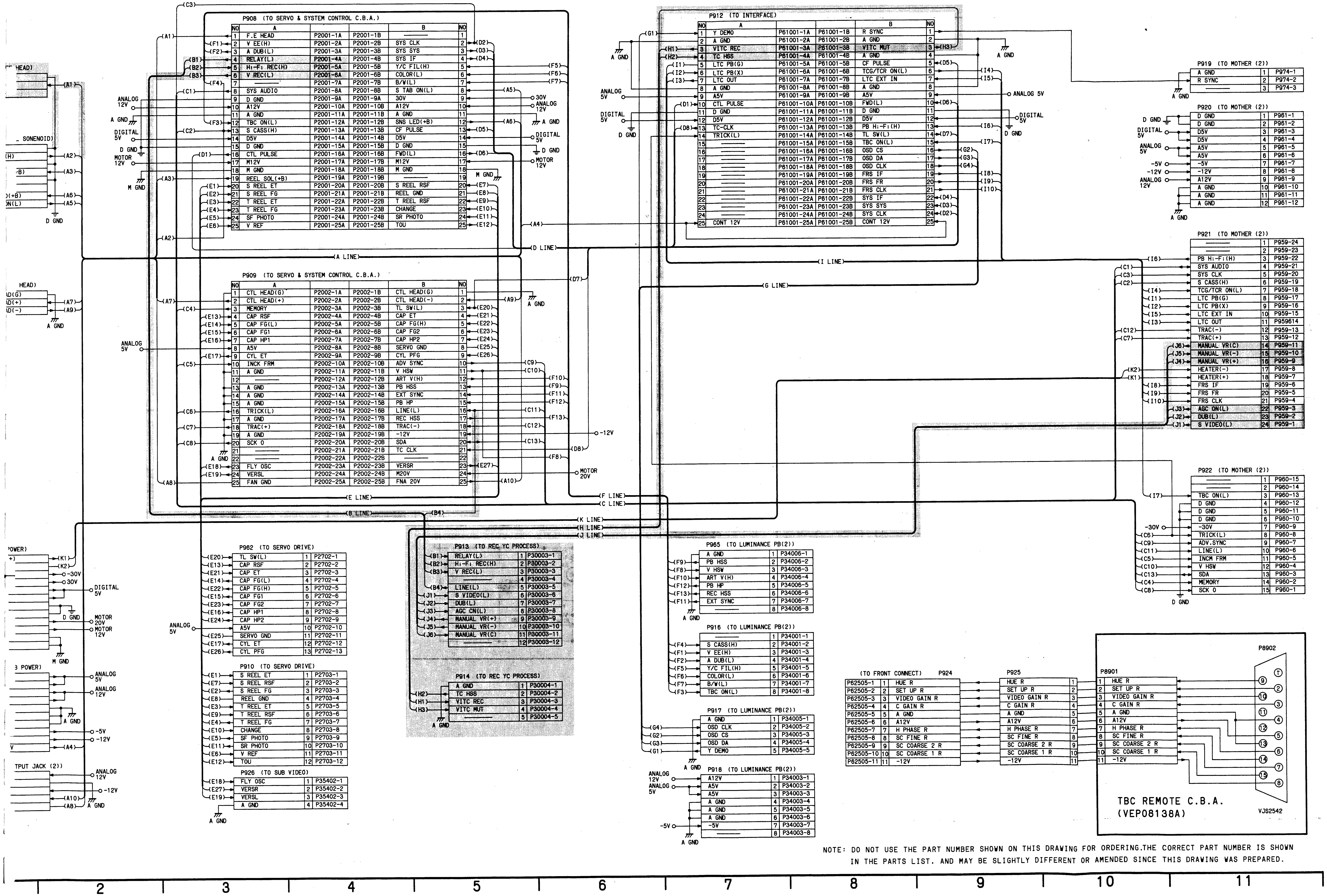
(FOIL SIDE)

6

MOTHER (1) SCHEMATIC DIAGRAM


P902 (TO FE HEAD)
P904 (TO REEL SONENOID)
P963 (TO A/C HEAD)
P906 (TO POWER)
P907 (TO SUB POWER)
P923 (TO OUTPUT JACK (2))
P908 (TO SERVO & SYSTEM CONTROL C.B.A.)
P909 (TO SERVO & SYSTEM CONTROL C.B.A.)
P962 (TO SERVO DRIVE)
P910 (TO SERVO DRIVE)
P926 (TO SUB VIDEO)
P913 (TO REC PROCESS)
P914 (TO REC YC PROCESS)
P912 (TO INTERFACE)
P965 (TO LUMINANCE PB(2))
P916 (TO LUMINANCE PB(2))
P917 (TO LUMINANCE PB(2))
P918 (TO LUMINANCE PB(2))
A LINE
B LINE
C LINE
D LINE
E LINE
F LINE
G LINE
H LINE
J LINE
K LINE
ANALOG 12V
ANALOG 5V
DIGITAL 5V
MOTOR 12V
MOTOR 20V
A GND
D GND
M GND
30V
-30V
-12V
-5V
G
F
E
D
C
B
A
1
2
3
4
5
6
7

SCHEMATIC DIAGRAM


P908 (TO SERVO & SYSTEM CONTROL C.B.A.)
P909 (TO SERVO & SYSTEM CONTROL C.B.A.)
P912 (TO INTERFACE)
P919 (TO MOTHER (2))
P920 (TO MOTHER (2))
P921 (TO MOTHER (2))
P922 (TO MOTHER (2))
P962 (TO SERVO DRIVE)
P910 (TO SERVO DRIVE)
P926 (TO SUB VIDEO)
P913 (TO REC YC PROCESS)
P914 (TO REC YC PROCESS)
P965 (TO LUMINANCE PB(2))
P916 (TO LUMINANCE PB(2))
P917 (TO LUMINANCE PB(2))
P918 (TO LUMINANCE PB(2))
(TO FRONT CONNECT) P924
P925
P8901
P8902
TBC REMOTE C.B.A.
(VEP08138A)
VJS2542
A LINE
B LINE
C LINE
D LINE
E LINE
F LINE
G LINE
H LINE
I LINE
J LINE
K LINE
ANALOG 5V
ANALOG 12V
DIGITAL 5V
MOTOR 12V
MOTOR 20V
A GND
D GND
M GND
30V
-30V
-12V
-5V
HEAD)
SONENOID)
POWER)
PUT JACK (2))
2
3
4
5
6
7
8
9
10
11

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST. AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

SYSTEM CONTROL ICs DC VOLTAGE CHART

REF. NO.	IC6001															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	0	0	0	0	0	0	0	0	0	5.0	4.0	3.5	4.0	4.9	4.9	4.4
REC	0	0	0	0	0	0	4.4	0	0	0	4.0	3.5	0	4.9	4.9	4.4
FF	0	0	0	0	0	0	0	0	0	5.0	4.0	3.5	4.0	4.9	4.9	4.4

REF. NO.	IC6002																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	0	4.7	0	4.7	0	0	0	0	4.6	4.6	0	0	0	4.8	4.8	3.3	0	4.7
REC	0	0	0	0	0	0	4.7	4.4	4.7	0	4.6	4.6	0	0	0	4.7	0.1	3.3	0	0.1
FF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.8	4.8	3.3	0	0.1

REF. NO.	IC6002																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	4.4	0	3.6	0.1	0.1	0.1	2.5	2.5	4.8	0	2.4	2.4	0	0	4.8	4.8	4.8	4.8	0	4.8
REC	4.4	0	3.6	0.1	4.6	0.1	0.9	2.5	4.7	0	2.3	2.3	0	0	4.7	4.7	4.7	4.7	0	0
FF	4.4	0	3.6	0.1	2.4	2.4	0.7	0	4.8	0	2.4	2.4	0	0	0	4.8	4.8	4.8	0	4.8

REF. NO.	IC6002																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	4.8	0	4.8	4.7	4.7	4.7	4.7	4.8	4.8	0.1	0.1	4.8	5.0	4.9	0	4.8	0	0	0	0
REC	0	4.7	4.7	4.7	4.7	4.7	0	4.7	4.4	0.4	0.1	4.6	4.1	4.8	4.7	0.1	0	0	0	0
FF	4.8	0	4.8	4.7	4.7	4.7	4.7	4.8	0.2	0.1	0.2	4.8	0	4.9	0	4.8	0	0	0	0

REF. NO.	IC6002																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	0.6	1.0	1.0	1.0	2.5	2.5	0.6	0.5	2.5	0.6	4.0	5.0	5.0	0	0	0	0	0	0	0
REC	0.6	1.0	1.0	1.0	2.8	2.7	4.9	2.5	2.5	0.6	4.0	5.0	4.7	0	0	0	0	0	0	0
FF	0.6	1.0	1.0	1.0	3.4	2.6	0.6	0.5	2.5	0.6	3.9	5.0	4.8	0	0	0	0	0	0	0

REF. NO.	IC6002			
MODE	81	82	83	84
STOP	0	0	0	4.8
REC	0	0	0	4.4
FF	0	0	0	0.1

REF. NO.	IC6004													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	5.1	0	0	4.9	0.1	0.9	0	4.9	4.9	0.1	3.6	4.7	0.9	5.1
REC	5.0	0	0	4.1	0	0.9	0	4.8	4.8	0	3.6	0.1	0.8	5.0
FF	5.1	0	0	4.2	0.1	0.9	0	4.9	4.9	0.1	3.6	0	0.9	5.1

REF. NO.	IC6005		
MODE	1	2	3
STOP	4.8	4.8	0
REC	4.7	4.7	0
FF	4.8	4.8	0

REF. NO.	IC60101													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	4.0	4.0	4.0	11.8	1.0	1.0	1.0	2.5	2.5	2.5	0	0.2	0.2	0
REC	4.0	4.0	4.0	11.8	1.0	1.0	1.0	2.5	2.5	2.5	0	0.2	0.2	0
FF	4.0	4.0	4.0	11.8	1.0	1.0	1.0	2.5	2.5	2.5	0	0.2	0.2	0

SUB SYSTEM CONTROL ICs DC VOLTAGE CHART

REF. NO.	IC60501								IC60502									
MODE	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	9	10
STOP	4.8	3.5	4.6	0	4.6	3.5	4.8	5.1	0	0.2	0.2	0	0	0	13.0	10.7	13.0	0.2
REC	4.7	3.5	4.6	0	4.6	3.5	4.7	5.0	0	0.2	0.2	0	0	0	12.9	10.7	12.9	0.2
FF	4.8	3.5	4.6	0	4.6	3.5	4.8	5.0	0	0.2	0.2	0	0	0	12.9	10.6	12.9	0.2

REF. NO.	IC60503		
MODE	1	2	3
STOP	0	5.1	0
REC	0	4.9	0
FF	0	5.1	0

SYSTEM CONTROL TRs DC VOLTAGE CHART

REF. NO.	Q60001			Q60002			Q60003			Q60004			Q60005			Q60006		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0.7	12.9	0.4	12.2	0	12.6	12.7	0	12.2	0	0	0	0	0	0	0	4.8	0
REC	0.6	12.9	0.4	12.2	0	12.7	12.7	0	12.2	0	0	0	0	0	0	0	4.7	0
FF	0.7	12.8	0.4	12.2	0	12.7	12.6	0	12.1	0	0	0	0	0	0	0	4.8	0

REF. NO.	Q60007		
MODE	E	C	B
STOP	0	4.3	0.2
REC	0	4.4	0.1
FF	0	4.4	0.2

REF. NO.	QR60001			QR60002			QR60003			QR6004			QR60005			QR60006		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.1	0.4	4.5	0	12.6	0	12.9	0	12.8	0	0.1	1.7	23.1	23.1	20.9	0	0	18.6
REC	5.0	0.4	4.4	0	12.7	0	12.9	0	0.1	0	0	1.7	21.1	21.1	19.3	0	0	17.1
FF	5.1	0.4	4.4	0	0	0	12.9	0.3	12.9	0	0	1.6	20.3	20.4	18.6	0	0	16.2

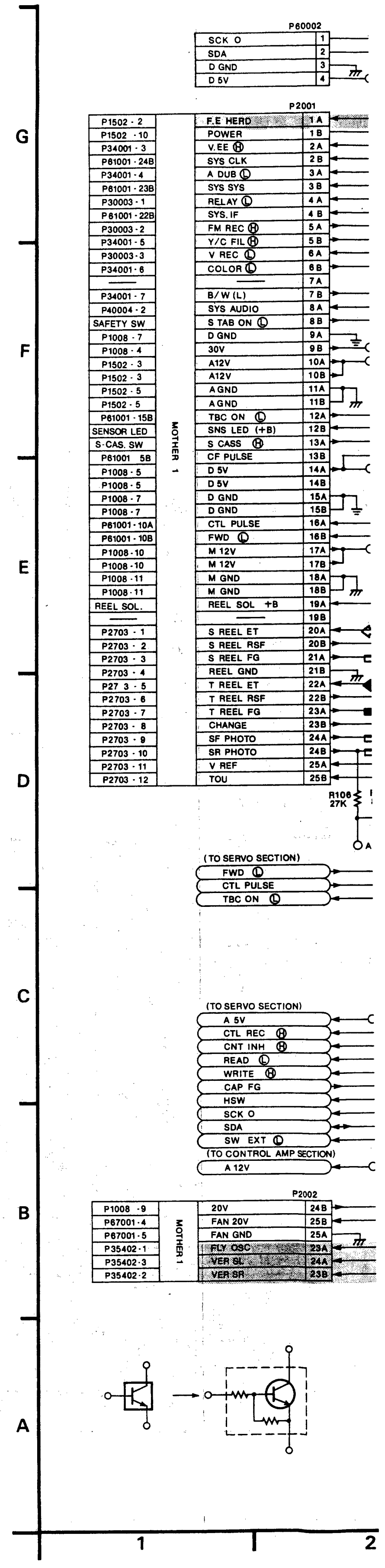
REF. NO.	QR60007			QR60008			QR60010		
MODE	E	C	B	E	C	B	E	C	B
STOP	0	0	0	0	12.8	0	0	4.1	0
REC	0	0.1	0	0	0.1	4.7	0	0.1	4.7
FF	0	0.1	0	0	12.9	0	0	4.1	0

SUB SYSTEM CONTROL TRs DC VOLTAGE CHART

REF. NO.	Q60501			Q60502			Q60503			Q60504			Q60505			Q60506		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0.6	0.6	1.2	0.6	1.2	0.4	0	0.1	0	5.1	−0.2	5.1	0	12.9	0	0	0	0
REC	0.6	0.7	1.2	0.6	1.2	0.4	4.0	4.8	4.7	4.9	4.7	4.1	0	0	0.8	0	0.1	0.7
FF	0.6	0.6	1.2	0.6	1.2	0.4	0	0.2	0	5.1	−0.2	5.1	0	0	0	0	0	0

REF. NO.	Q60507			Q60508			Q60509		
MODE	E	C	B	E	C	B	E	C	B
STOP	0	12.8	0	12.9	0	12.8	0	4.8	0
REC	0	12.8	0	12.9	1.4	12.8	0	4.7	0
FF	0	12.8	0	12.9	0	12.8	0	4.8	0

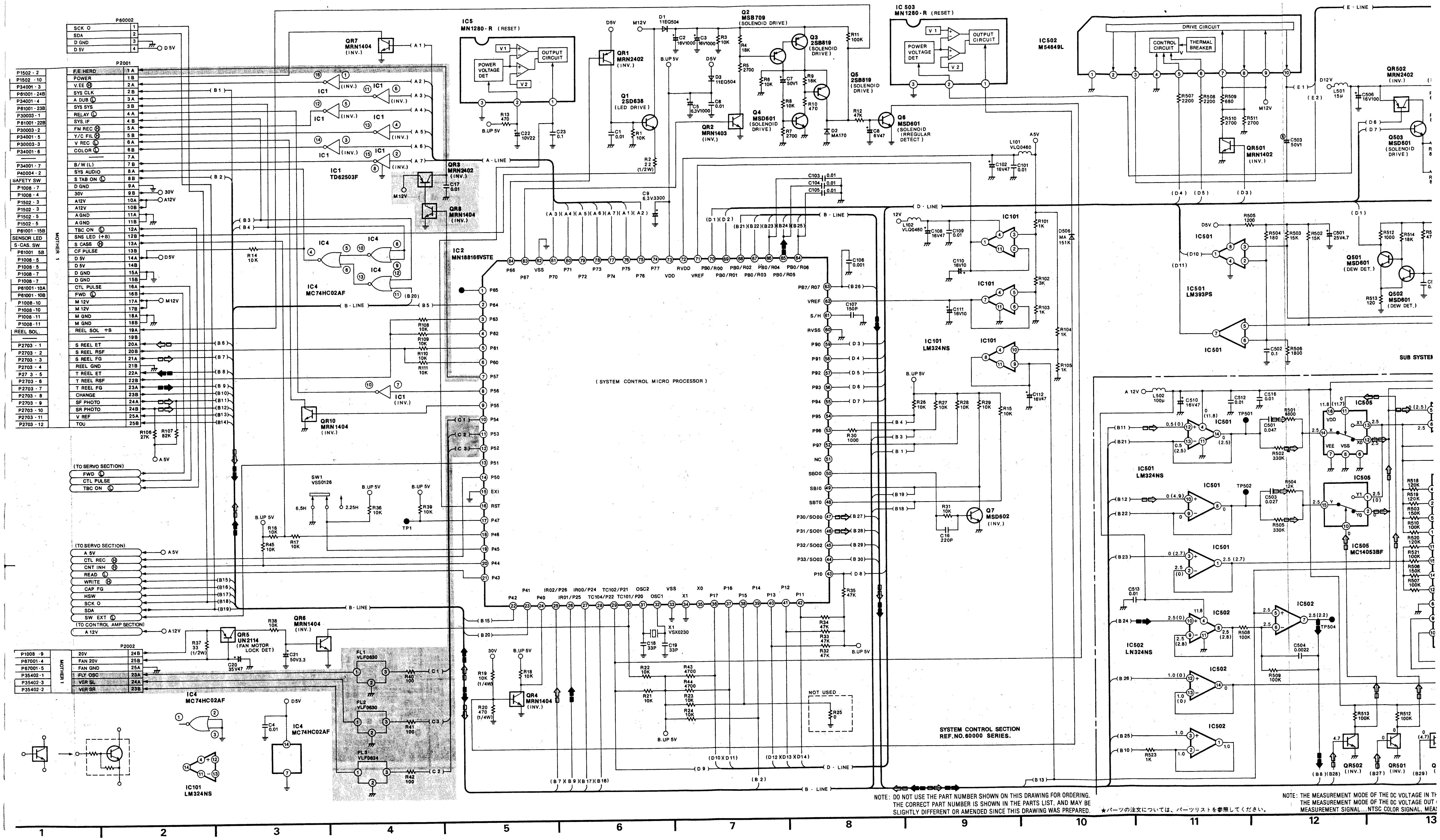
REF. NO.	QR60501			QR60502			QR60503		
MODE	E	C	B	E	C	B	E	C	B
STOP	0	10.6	0	0	0.1	4.8	0	0	12.0
REC	0	10.7	0	4.9	4.8	0.1	0	0	11.9
FF	0	10.6	0	5.1	0.1	4.8	0	0	11.9



G
F
E
D
C
B
A
1
2
P60002
SCK O
SDA
D GND
D 5V
P2001
P1502 - 2
P1502 - 10
P34001 - 3
P61001 - 24B
P34001 - 4
P61001 - 23B
P30003 - 1
P61001 - 22B
P30003 - 2
P34001 - 5
P30003 - 3
P34001 - 6
P34001 - 7
P40004 - 2
SAFETY SW
P1008 - 7
P1008 - 4
P1502 - 3
P1502 - 3
P1502 - 5
P1502 - 5
P61001 - 15B
SENSOR LED
S-CAS. SW
P61001 5B
P1008 - 5
P1008 - 5
P1008 - 7
P1008 - 7
P61001 - 10A
P61001 - 10B
P1008 - 10
P1008 - 10
P1008 - 11
P1008 - 11
REEL SOL.
P2703 - 1
P2703 - 2
P2703 - 3
P2703 - 4
P27 3 - 5
P2703 - 6
P2703 - 7
P2703 - 8
P2703 - 9
P2703 - 10
P2703 - 11
P2703 - 12
MOTHER 1
F.E HERD 1A
POWER 1B
V.EE Ⓗ 2A
SYS CLK 2B
A DUB Ⓛ 3A
SYS SYS 3B
RELAY Ⓛ 4A
SYS. IF 4B
FM REC Ⓗ 5A
Y/C FIL Ⓗ 5B
V REC Ⓛ 6A
COLOR Ⓛ 6B
7A
B/W (L) 7B
SYS AUDIO 8A
S TAB ON Ⓛ 8B
D GND 9A
30V 9B
A12V 10A
A12V 10B
A GND 11A
A GND 11B
TBC ON Ⓛ 12A
SNS LED (+B) 12B
S CASS Ⓗ 13A
CF PULSE 13B
D 5V 14A
D 5V 14B
D GND 15A
D GND 15B
CTL PULSE 16A
FWD Ⓛ 16B
M 12V 17A
M 12V 17B
M GND 18A
M GND 18B
REEL SOL +B 19A
19B
S REEL ET 20A
S REEL RSF 20B
S REEL FG 21A
REEL GND 21B
T REEL ET 22A
T REEL RSF 22B
T REEL FG 23A
CHANGE 23B
SF PHOTO 24A
SR PHOTO 24B
V REF 25A
TOU 25B
R106 27K
A
(TO SERVO SECTION)
FWD Ⓛ
CTL PULSE
TBC ON Ⓛ
(TO SERVO SECTION)
A 5V
CTL REC Ⓗ
CNT INH Ⓗ
READ Ⓛ
WRITE Ⓗ
CAP FG
HSW
SCK O
SDA
SW EXT Ⓛ
(TO CONTROL AMP SECTION)
A 12V
P2002
P1008 -9
P67001 - 4
P67001 - 5
P35402 - 1
P35402 - 3
P35402 - 2
MOTHER 1
20V 24B
FAN 20V 25B
FAN GND 25A
FLY OSC 23A
VER SL 24A
VER SR 23B

EM CONTROL AND REEL SERVO SCHEMATIC DIAGRAM

⇦□ SUPPLY REEL CONTROL ⬅■ TAKEUP REEL CONTROL

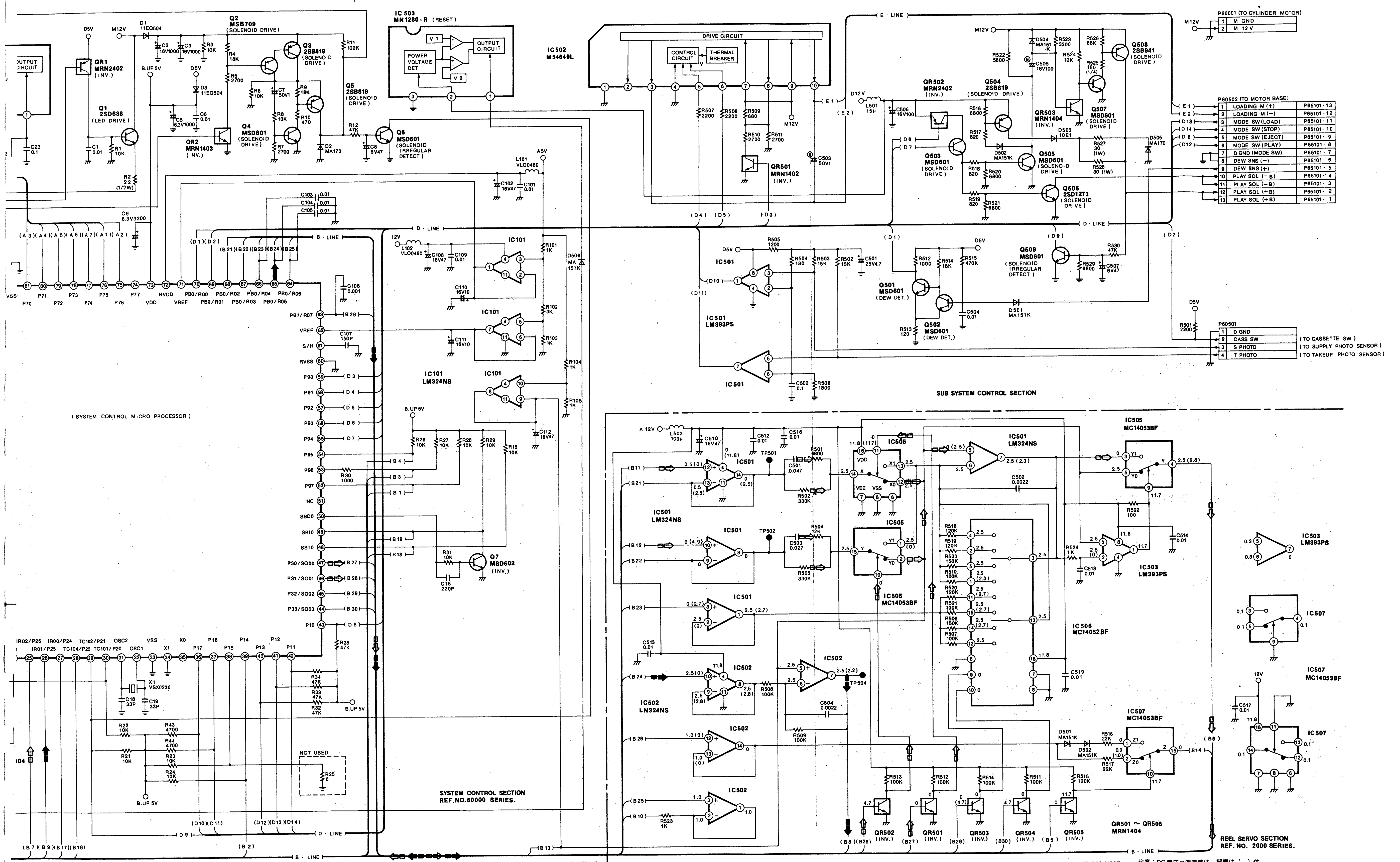

IC5 MN1280-R (RESET)
POWER VOLTAGE DET
OUTPUT CIRCUIT
IC 503 MN1280-R (RESET)
IC502 M54649L
DRIVE CIRCUIT
CONTROL CIRCUIT
THERMAL BREAKER
IC1 TD62503F
IC4 MC74HC02AF
IC2 MN188166VSTE
(SYSTEM CONTROL MICRO PROCESSOR)
QR7 MRN1404 (INV.)
QR3 MRN2402 (INV.)
QR8 MRN1404 (INV.)
QR10 MRN1404 (INV.)
QR1 MRN2402 (INV.)
Q1 2SD638 (LED DRIVE)
Q2 MSB709 (SOLENOID DRIVE)
Q3 2SB819 (SOLENOID DRIVE)
Q4 MSD601 (SOLENOID DRIVE)
Q5 2SB819 (SOLENOID DRIVE)
Q6 MSD601 (SOLENOID IRREGULAR DETECT)
QR2 MRN1403 (INV.)
Q7 MSD602 (INV.)
QR4 MRN1404 (INV.)
QR5 UN2114 (FAN MOTOR LOCK DET)
QR6 MRN1404 (INV.)
FL1 VLF0630
FL2 VLF0630
FL3 VLF0634
SW1 VSS0126
X1 VSX0230
IC101 LM324NS
IC501 LM393PS
IC501 LM324NS
IC502 LN324NS
IC505 MC14053BF
Q501 MSD601 (DEW DET.)
Q502 MSD601 (DEW DET.)
QR501 MRN1402 (INV.)
QR502 MRN2402 (INV.)
Q503 MSD601 (SOLENOID DRIVE)
NOT USED
P60002
P2001
P2002
MOTHER 1
(TO SERVO SECTION)
(TO CONTROL AMP SECTION)
A - LINE
B - LINE
D - LINE
E - LINE
SUB SYSTEM
SYSTEM CONTROL SECTION REF.NO.60000 SERIES.
1
2
3
4
5
6
7
8
9
10
11
12
13

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN TH
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEA

⇦□ SUPPLY REEL CONTROL ⬅■ TAKEUP REEL CONTROL


IC 503
MN1280-R (RESET)
POWER VOLTAGE DET
OUTPUT CIRCUIT
IC502
M54649L
DRIVE CIRCUIT
CONTROL CIRCUIT
THERMAL BREAKER
QR1
MRN2402
(INV.)
Q1
2SD638
(LED DRIVE)
Q2
MSB709
(SOLENOID DRIVE)
Q3
2SB819
(SOLENOID DRIVE)
Q4
MSD601
(SOLENOID DRIVE)
Q5
2SB819
(SOLENOID DRIVE)
Q6
MSD601
(SOLENOID IRREGULAR DETECT)
QR2
MRN1403
(INV.)
D1
11EQ504
D3
11EQ504
D2
MA170
IC101
LM324NS
Q7
MSD602
(INV.)
X1
VSX0230
NOT USED
(SYSTEM CONTROL MICRO PROCESSOR)
SYSTEM CONTROL SECTION
REF.NO.60000 SERIES.
QR501
MRN1402
(INV.)
QR502
MRN2402
(INV.)
Q503
MSD601
(SOLENOID DRIVE)
Q504
2SB819
(SOLENOID DRIVE)
QR503
MRN1404
(INV.)
Q505
MSD601
(SOLENOID DRIVE)
Q506
2SD1273
(SOLENOID DRIVE)
Q507
MSD601
(SOLENOID DRIVE)
Q508
2SB941
(SOLENOID DRIVE)
Q509
MSD601
(SOLENOID IRREGULAR DETECT)
Q501
MSD601
(DEW DET.)
Q502
MSD601
(DEW DET.)
IC501
LM393PS
SUB SYSTEM CONTROL SECTION
P60001 (TO CYLINDER MOTOR)
1 M GND
2 M 12 V
P60502 (TO MOTOR BASE)
1 LOADING M (+) P65101-13
2 LOADING M (−) P65101-12
3 MODE SW (LOAD) P65101-11
4 MODE SW (STOP) P65101-10
5 MODE SW (EJECT) P65101-9
6 MODE SW (PLAY) P65101-8
7 D GND (MODE SW) P65101-7
8 DEW SNS (−) P65101-6
9 DEW SNS (+) P65101-5
10 PLAY SOL (−B) P65101-4
11 PLAY SOL (−B) P65101-3
12 PLAY SOL (+B) P65101-2
13 PLAY SOL (+B) P65101-1
P60501
1 D GND
2 CASS SW (TO CASSETTE SW)
3 S PHOTO (TO SUPPLY PHOTO SENSOR)
4 T PHOTO (TO TAKEUP PHOTO SENSOR)
IC501
LM324NS
IC502
LN324NS
IC505
MC14053BF
IC506
MC14052BF
IC507
MC14053BF
IC503
LM393PS
QR501 ~ QR505
MRN1404
QR502 (INV.)
QR501 (INV.)
QR503 (INV.)
QR504 (INV.)
QR505 (INV.)
REEL SERVO SECTION
REF. NO. 2000 SERIES.
B · LINE
D · LINE
E · LINE

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
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★パーツの注文については、パーツリストを参照してください。

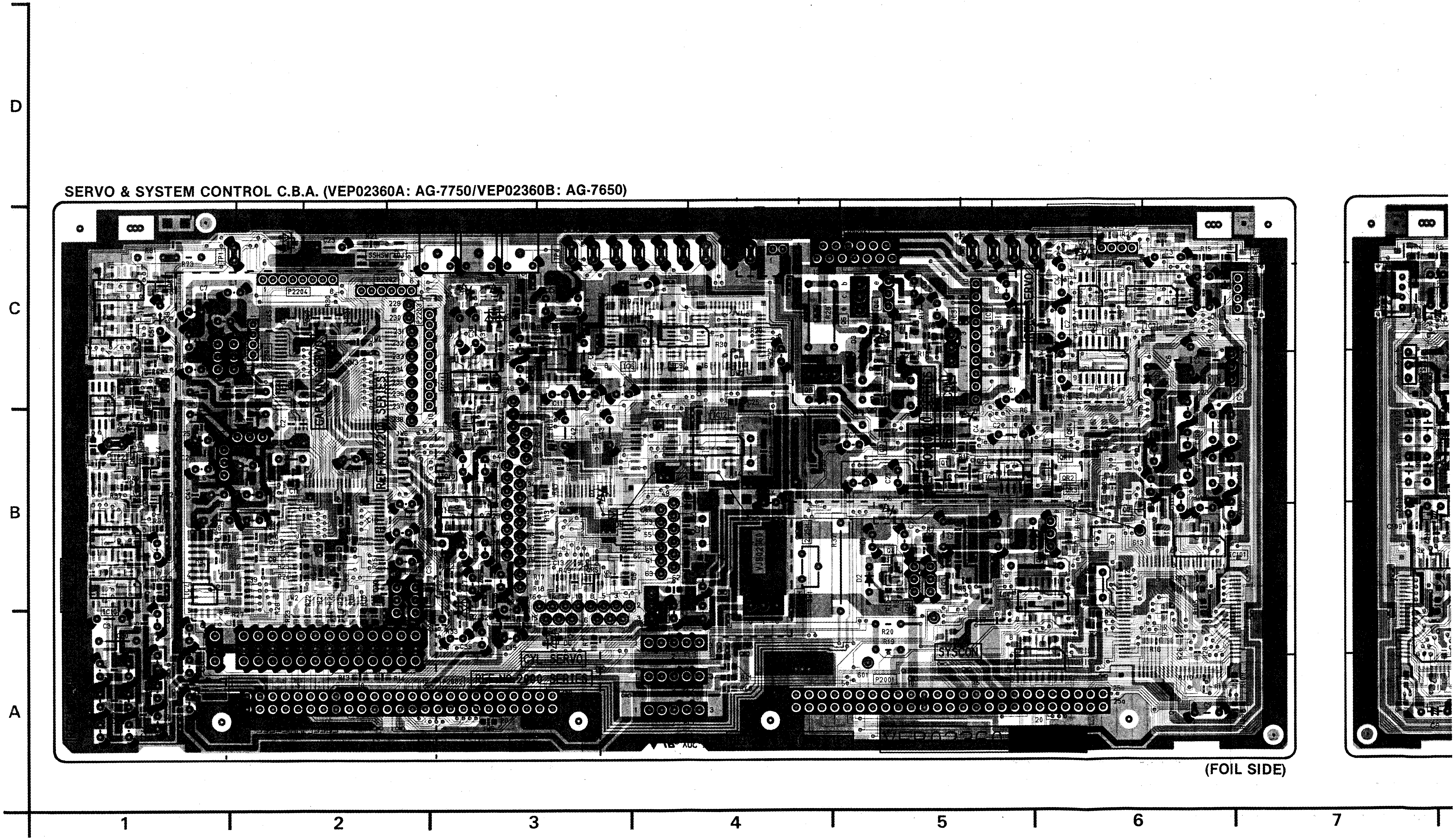
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL…NTSC COLOR SIGNAL. MEASUREMENT TAPE…S-VHS CASSETTE TAPE.

注意：DC電圧の測定値は、録画は（ ）付
再生は（ ）なし
録再共通は（ ）なしで示してあります。

6 7 8 9 10 11 12 13 14 15 16

SERVO & SYSTEM CONTROL C.B.A. (VEP02360A: AG-7750/VEP02360B: AG-7650) AND MOTOR BASE C.B.A. (VEK5100)

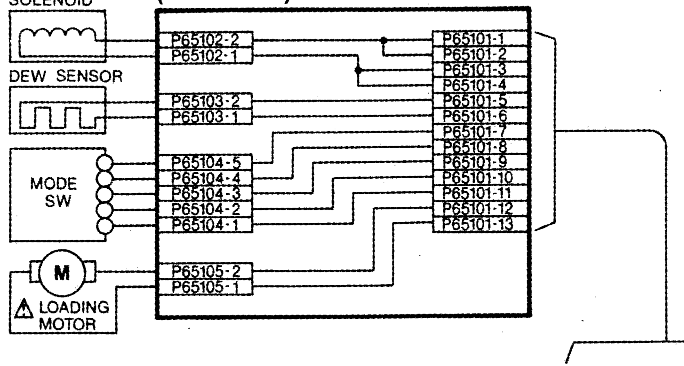
SERVO & SYSTEM CONTROL C.B.A. (VEP02360A: AG-7750/VEP02360B: AG-7650)



D
C
B
A
1
2
3
4
5
6
7
CAPSTAN SERVO
REF NO.2200 SERIES
CYL SERVO
REF NO.2000 SERIES
SYSCON
SERVO
P2204
P2203
P2001

(FOIL SIDE)

MOTOR BASE C.B.A.
(VEK5100)


SOLENOID
DEW SENSOR
MODE SW
M
LOADING MOTOR
P65102-2
P65102-1
P65103-2
P65103-1
P65104-5
P65104-4
P65104-3
P65104-2
P65104-1
P65105-2
P65105-1
P65101-1
P65101-2
P65101-3
P65101-4
P65101-5
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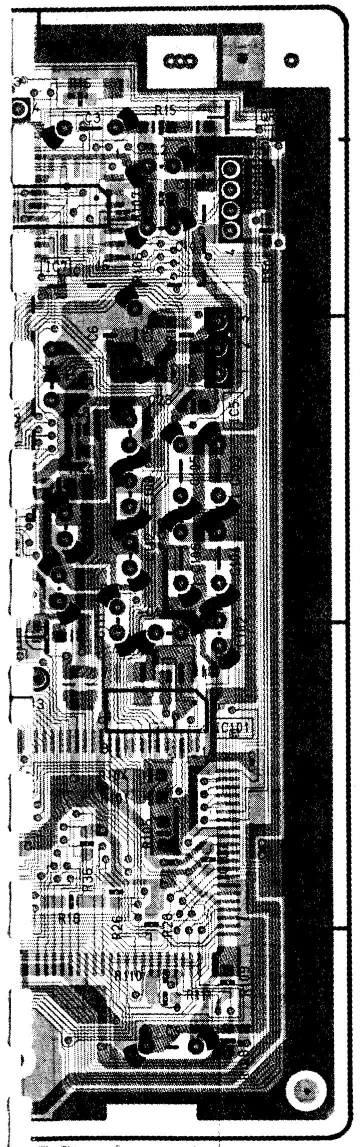
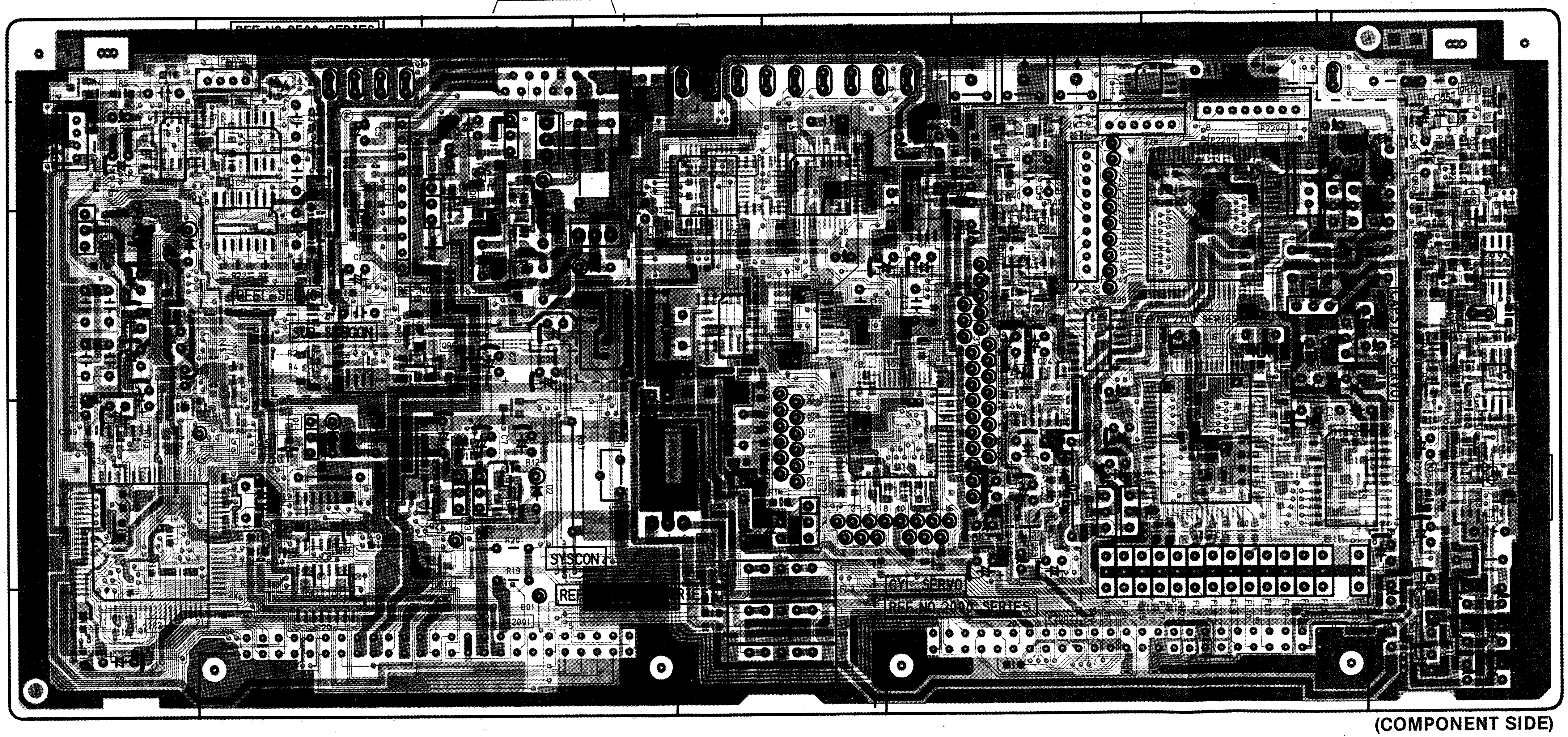
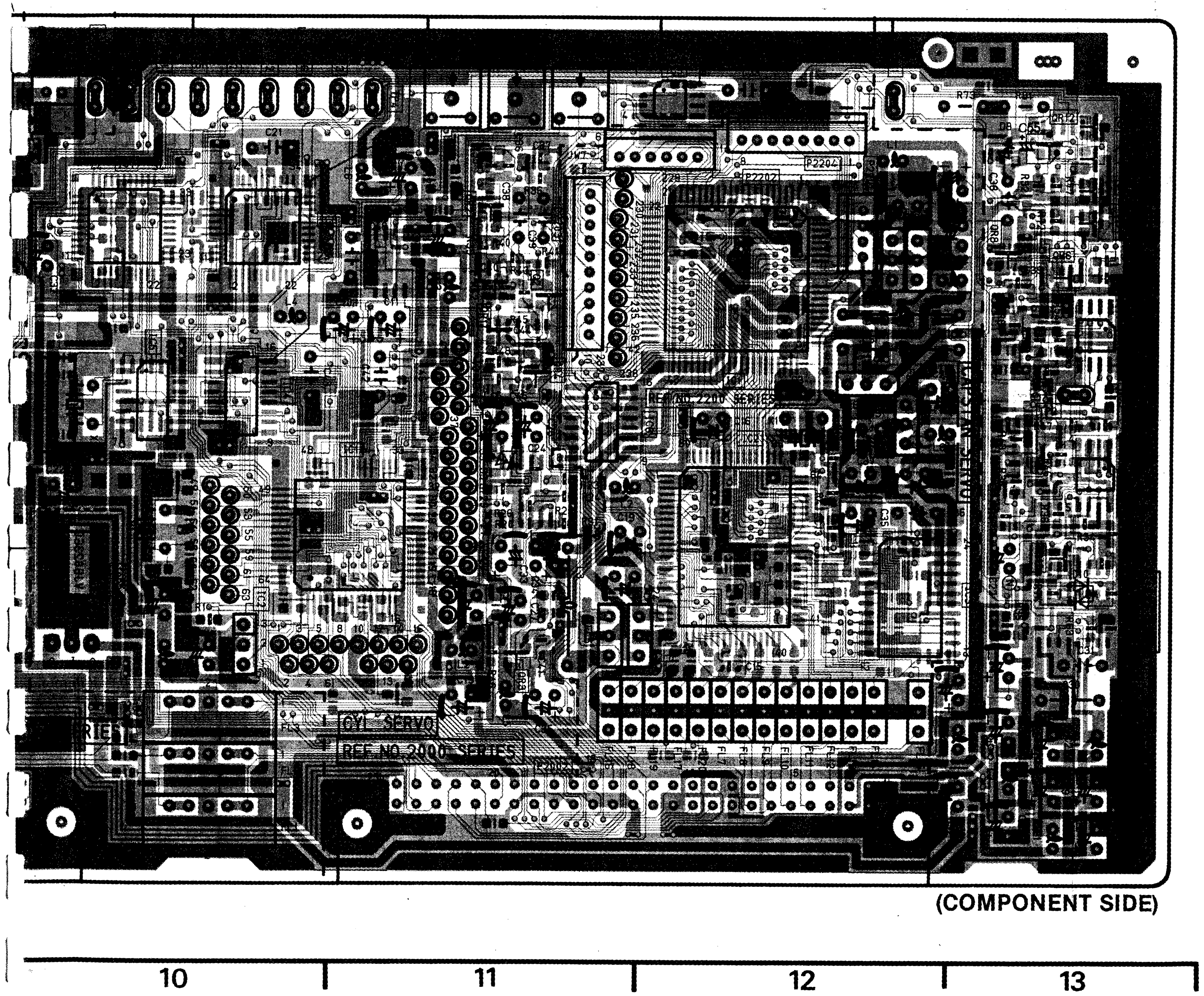
P65101-11
P65101-12
P65101-13


(FOIL SIDE)


SYSCON
CYL SERVO
REF NO 2000 SERIES
REF NO 2200 SERIES
P2202
P2204
(COMPONENT SIDE)

6 7 8 9 10 11 12 13

MOTO
Conne
P65
P65
P65
P65
P65
ADDRES



(COMPONENT SIDE)

MOTOR BASE C.B.A.

Connectors

P65101	D-9
P65102	D-8
P65103	D-8
P65104	D-8
P65105	D-8

ADDRESS INFORMATION

SERVO SYSTEM CONTROL C.B.A.

Transistors

Q2001	B-4	Ⓕ
Q2002	C-11	Ⓒ
Q2302	C-13	Ⓒ
Q2303	B-1	Ⓕ
Q2304	B-1	Ⓕ
Q2305	B-1	Ⓕ
Q60001	B-6	Ⓕ
Q60001	B-8	Ⓒ
Q60002	A-9	Ⓒ
Q60003	B-5	Ⓕ
Q60003	A-9	Ⓒ
Q60004	B-5	Ⓕ
Q60005	A-5	Ⓕ
Q60005	A-9	Ⓒ
Q60006	B-9	Ⓒ
Q60007	B-6	Ⓕ
Q60501	B-5	Ⓕ
Q60502	B-5	Ⓕ
Q60503	C-9	Ⓒ
Q60504	C-5	Ⓕ
Q60504	C-9	Ⓒ
Q60505	C-9	Ⓒ
Q60506	C-5	Ⓕ
Q60506	C-9	Ⓒ
Q60507	B-5	Ⓕ
Q60508	C-4	Ⓕ
Q60508	C-9	Ⓒ
Q60509	B-5	Ⓕ

Transistor & Resistors

QR2001	C-11	Ⓒ
QR2002	C-11	Ⓒ
QR2003	A-11	Ⓒ
QR2004	B-11	Ⓒ
QR2005	B-3	Ⓕ
QR2006	B-3	Ⓕ
QR2304	C-1	Ⓕ
QR2305	B-1	Ⓕ
QR2306	C-13	Ⓒ
QR2308	C-13	Ⓒ
QR2309	C-1	Ⓕ
QR2310	C-13	Ⓒ
QR2311	C-13	Ⓒ
QR2312	C-13	Ⓒ
QR2313	B-13	Ⓒ
QR2314	C-13	Ⓒ
QR2501	B-6	Ⓕ
QR2502	B-6	Ⓕ
QR2503	B-6	Ⓕ
QR2504	B-6	Ⓕ
QR2505	C-7	Ⓕ
QR60001	B-8	Ⓒ
QR60002	B-9	Ⓒ
QR60003	A-8	Ⓒ
QR60004	A-8	Ⓒ
QR60005	B-9	Ⓒ
QR60006	B-9	Ⓒ
QR60007	A-8	Ⓒ
QR60008	A-8	Ⓒ
QR60010	A-9	Ⓒ
QR60501	C-8	Ⓒ
QR60502	C-9	Ⓒ
QR60503	C-5	Ⓕ

Integrated Circuits

IC2001	B-11	Ⓒ
IC2002	A-4	Ⓕ
IC2002	B-10	Ⓒ
IC2003	C-12	Ⓒ
IC2004	B-10	Ⓒ
IC2005	B-10	Ⓒ
IC2006	C-3	Ⓕ
IC2007	C-10	Ⓒ
IC2008	C-10	Ⓒ
IC2009	C-4	Ⓕ
IC2010	B-3	Ⓕ
IC2011	C-3	Ⓕ
IC2012	B-4	Ⓕ
IC2013	C-3	Ⓕ
IC2201	B-12	Ⓒ
IC2202	B-12	Ⓒ
IC2203	B-13	Ⓒ
IC2205	B-4	Ⓕ
IC2205	B-10	Ⓒ
IC2206	B-11	Ⓒ
IC2207	B-1	Ⓕ
IC2302	B-13	Ⓒ
IC2303	B-13	Ⓒ
IC2304	B-1	Ⓕ
IC2305	C-1	Ⓕ
IC2310	A-1	Ⓕ
IC2311	B-1	Ⓕ
IC2312	C-1	Ⓕ
IC2501	C-8	Ⓒ
IC2502	C-8	Ⓒ
IC2503	C-6	Ⓕ
IC2505	C-8	Ⓒ
IC2506	C-6	Ⓕ
IC2507	C-6	Ⓕ
IC60001	A-6	Ⓕ
IC60002	A-8	Ⓒ
IC60004	B-5	Ⓕ
IC60005	B-7	Ⓕ
IC60005	C-7	Ⓒ
IC60101	B-6	Ⓕ
IC60501	B-5	Ⓕ
IC60502	C-5	Ⓕ
IC60502	C-9	Ⓒ
IC60503	C-5	Ⓕ
IC60503	C-9	Ⓒ

Test Points

TP2001	C-4	Ⓕ
TP2001	C-10	Ⓒ
TP2002	C-4	Ⓕ
TP2002	C-10	Ⓒ
TP2003	C-3	Ⓕ
TP2003	C-10	Ⓒ
TP2004	C-3	Ⓕ
TP2004	C-11	Ⓒ
TP2005	C-4	Ⓕ
TP2005	C-10	Ⓒ
TP2006	C-3	Ⓕ
TP2006	C-10	Ⓒ
TP2007	C-4	Ⓕ
TP2007	C-10	Ⓒ
TP2301	C-1	Ⓕ
TP2301	C-12	Ⓒ
TP2302	B-1	Ⓕ
TP2302	B-13	Ⓒ
TP2501	C-5	Ⓕ
TP2501	C-9	Ⓒ
TP2502	C-5	Ⓕ
TP2502	C-8	Ⓒ
TP2503	C-5	Ⓕ
TP2503	C-9	Ⓒ
TP2504	C-5	Ⓕ
TP2504	C-8	Ⓒ
TP60001	C-4	Ⓕ
TP60001	C-10	Ⓒ
TPG	C-4	Ⓕ
TPG	C-10	Ⓒ

Adjustments

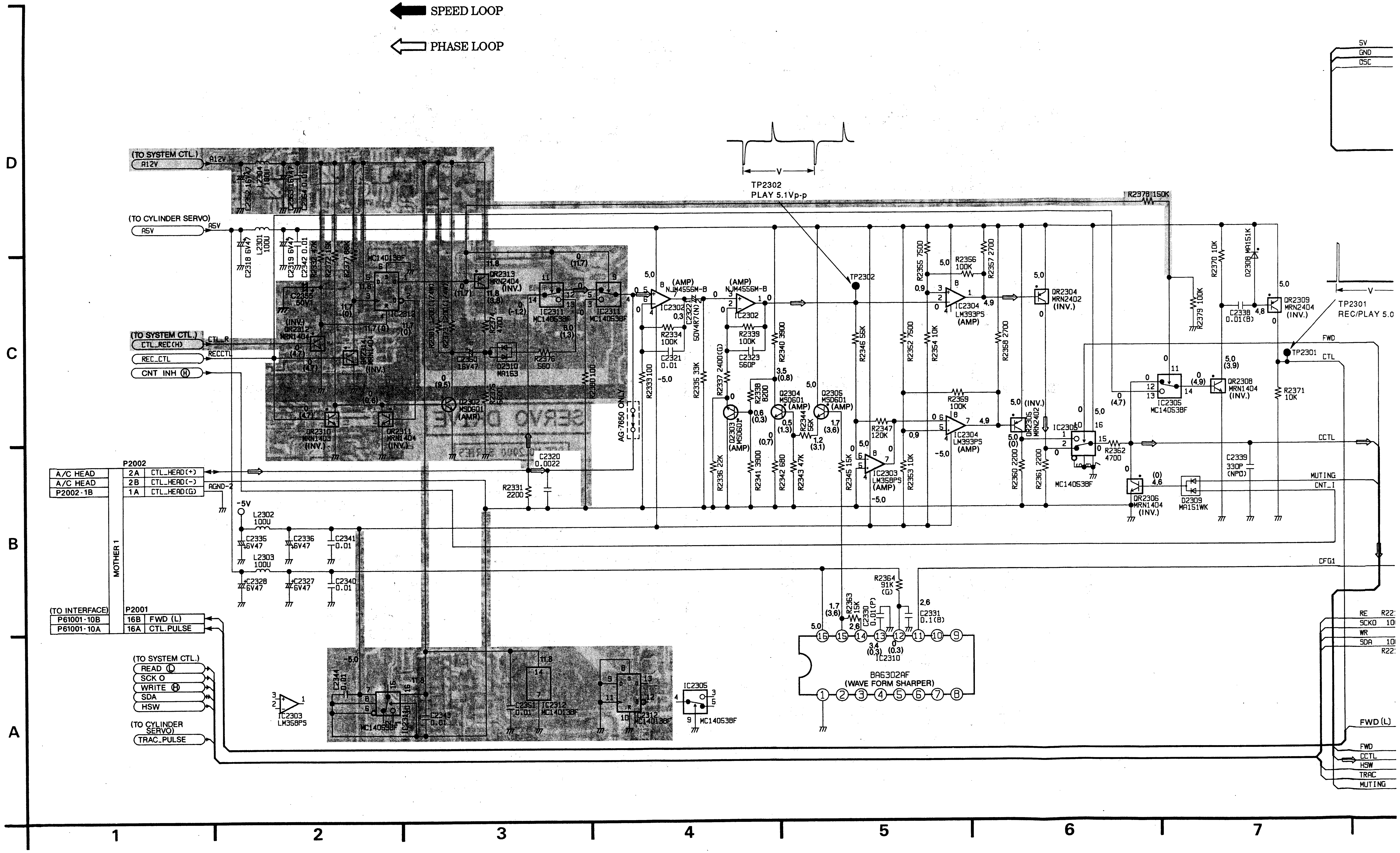
VR2001	C-3	Ⓕ
VR2001	C-11	Ⓒ
VR2002	C-2	Ⓕ
VR2002	C-11	Ⓒ
VR2003	C-3	Ⓕ
VR2003	C-11	Ⓒ

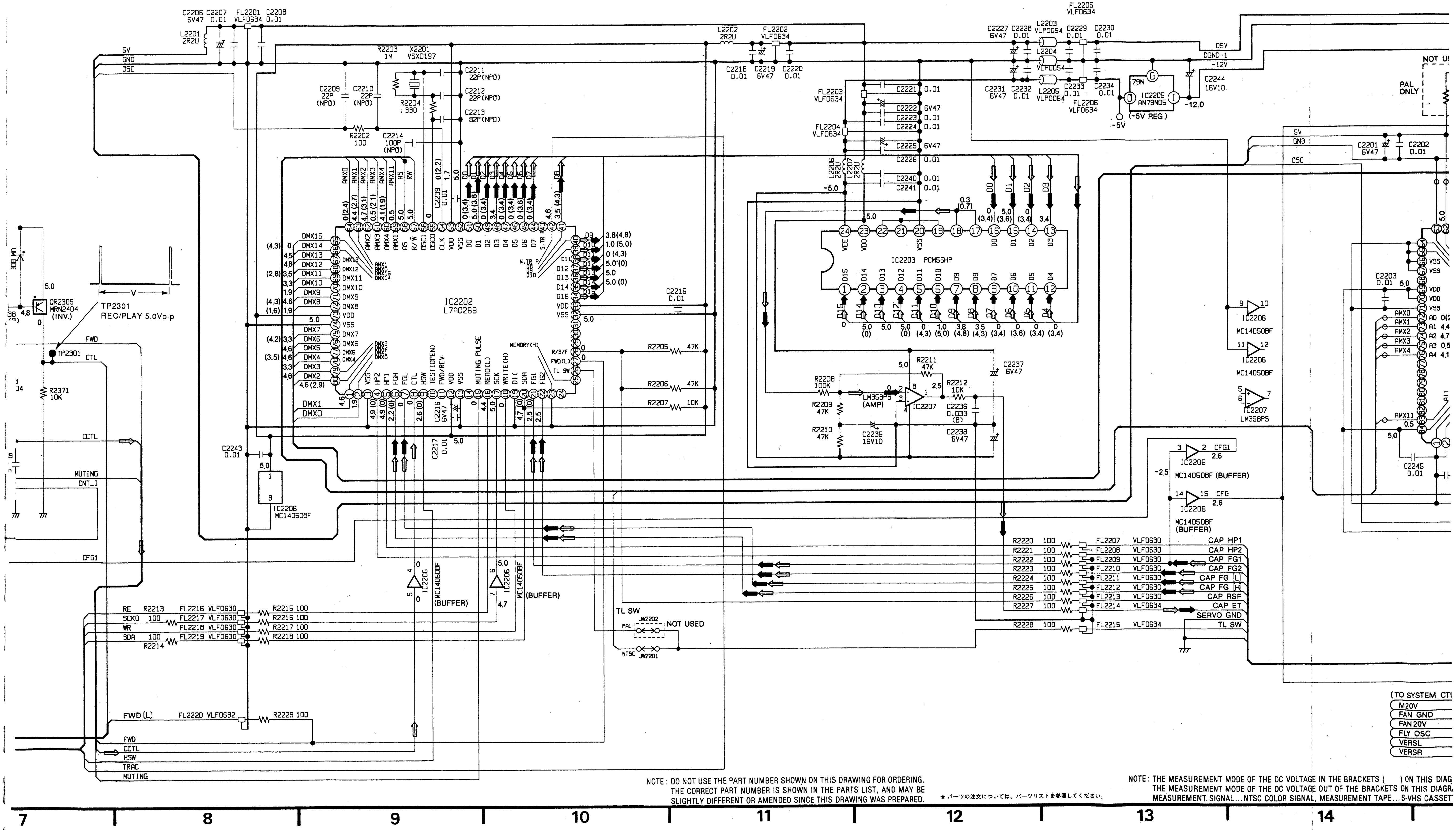
Connectors

P2001	A-5	Ⓕ
P2001	A-9	Ⓒ
P2002	A-3	Ⓕ
P2002	A-11	Ⓒ
P2201	C-2	Ⓕ
P2201	C-12	Ⓒ
P2202	C-2	Ⓕ
P2202	C-12	Ⓒ
P2203	C-2	Ⓕ
P2203	C-11	Ⓒ
P2204	C-2	Ⓕ
P2204	C-12	Ⓒ
P60001	C-4	Ⓕ
P60001	C-10	Ⓒ
P60002	C-7	Ⓕ
P60002	C-7	Ⓒ
P60501	C-6	Ⓕ
P60501	C-8	Ⓒ
P60502	C-5	Ⓕ
P60502	C-9	Ⓒ

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

CONTROL AMP AND CAPSTAN SERVO SCHEMATIC DIAGRAM

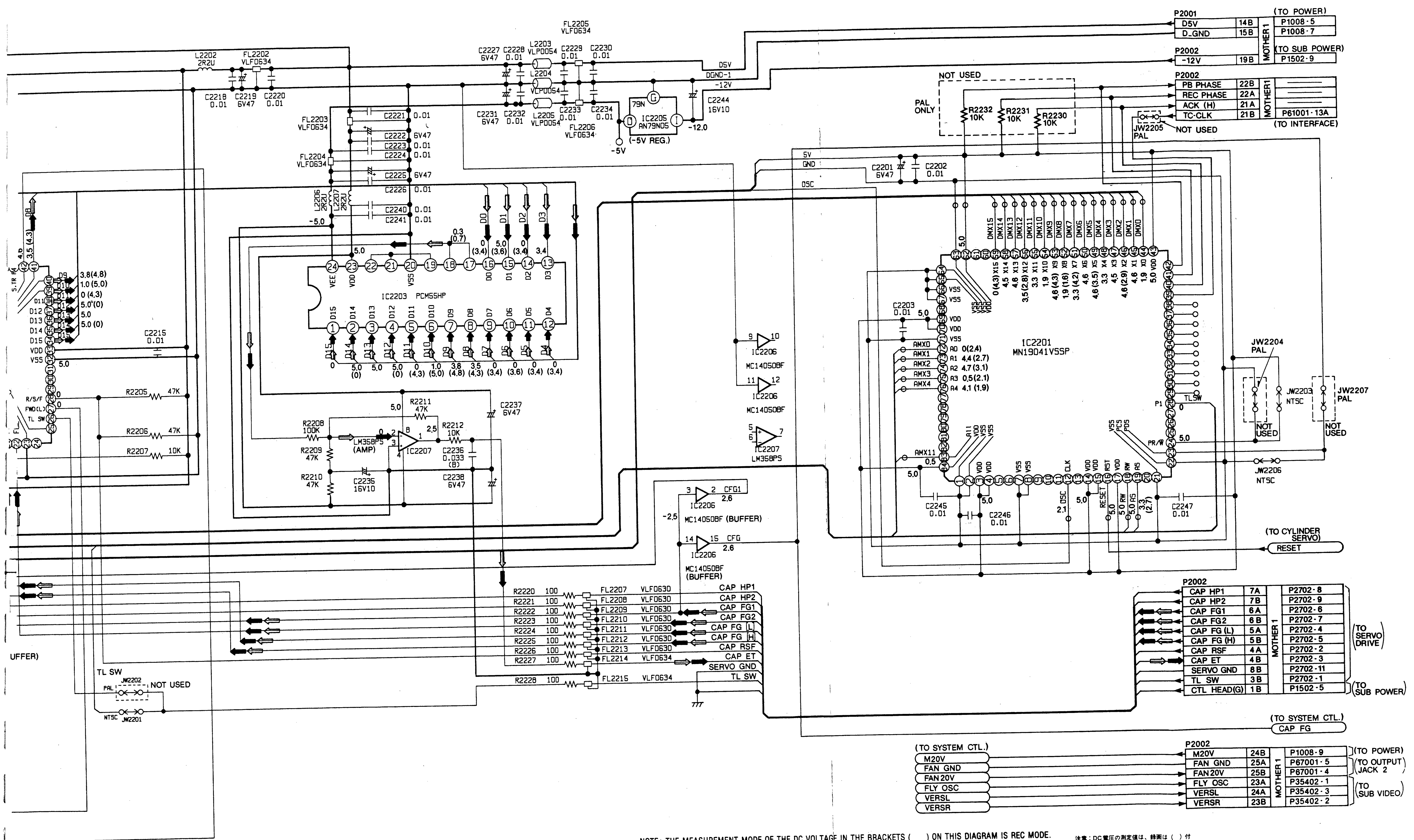

SPEED LOOP
PHASE LOOP
D
C
B
A
1
2
3
4
5
6
7
(TO SYSTEM CTL.)
A12V
(TO CYLINDER SERVO)
A5V
L2301 100U
C2318 6V47
C2319 6V47
C2342 0.01
MC14013BF
QR2313 MRN2404 (INV.)
IC2311 MC14053BF
(TO SYSTEM CTL.)
CTL_REC(H)
REC_CTL
CNT INH Ⓗ
QR2312 MRN1404 (INV.)
QR2310 MRN1404 (INV.)
QR2311 MRN1404 (INV.)
Q2302 MSD601 (AMP)
D2310 MA163
R2376 560
C2320 0.0022
R2331 2200
AG-7650 ONLY
A/C HEAD
A/C HEAD
P2002-1B
P2002
2A CTL_HEAD(+)
2B CTL_HEAD(-)
1A CTL_HEAD(G)
AGND-2
MOTHER 1
-5V
L2302 100U
C2335 6V47
C2336 6V47
C2341 0.01
L2303 100U
C2328 6V47
C2327 6V47
C2340 0.01
(TO INTERFACE)
P61001-10B
P61001-10A
P2001
16B FWD (L)
16A CTL.PULSE
(TO SYSTEM CTL.)
READ Ⓛ
SCK O
WRITE Ⓗ
SDA
HSW
(TO CYLINDER SERVO)
TRAC_PULSE
IC2303 LM358PS
MC14053BF
C2343 0.01
C2331 0.01
IC2312 MC14013BF
IC2305 MC14053BF
(AMP) NJM4556M-B
IC2302
C2322 50V4R7(N)
R2334 100K
C2321 0.01
R2333 100
R2335 33K
R2337 2400(G)
R2339 100K
C2323 560P
R2340 3900
R2338 8200
Q2303 MSD601 (AMP)
Q2304 MSD601 (AMP)
Q2305 MSD601 (AMP)
R2344 56K
R2336 22K
R2341 3900
R2342 680
R2343 47K
TP2302 PLAY 5.1Vp-p
V
TP2302
R2346 56K
R2345 15K
R2347 120K
IC2303 LM358PS (AMP)
R2355 7500
R2356 100K
R2357 2700
IC2304 LM393PS (AMP)
R2352 7500
R2354 10K
R2358 2700
R2359 100K
R2353 10K
QR2304 MRN2402 (INV.)
QR2305 MRN2402 (INV.)
R2360 2200
R2361 2200
IC2305 MC14053BF
R2362 4700
R2378 150K
R2370 10K
R2379 100K
D2308 MA151K
C2338 0.01(B)
QR2309 MRN2404 (INV.)
TP2301 REC/PLAY 5.0
TP2301
QR2308 MRN1404 (INV.)
R2371 10K
QR2306 MRN1404 (INV.)
D2309 MA151WK
C2339 330P (NPO)
FWD
CTL
CCTL
MUTING
CNT_I
CFG1
R2364 91K (G)
R2363 15K
C2330 0.01(F)
C2331 0.1(B)
BA6302AF (WAVE FORM SHARPER)
IC2310
5V
GND
OSC
RE
SCKO
WR
SDA
FWD (L)
FWD
CCTL
HSW
TRAC
MUTING


IC2202 L7A0269
IC2203 PCM55HP
IC2207 LM358PS (AMP)
IC2205 AN79N05 (-5V REG.)
IC2206 MC14050BF (BUFFER)
X2201 VSX0197
QR2309 MRN2404 (INV.)
TP2301 REC/PLAY 5.0Vp-p
TP2301
5V
GND
OSC
DSV
DGND-1
-12V
-5V
-12.0
NOT USED
PAL ONLY
TL SW
PAL JW2202
NTSC JW2201
FWD
CTL
CCTL
MUTING
CNT_I
CFG1
CFG
RE
SCKO
WR
SDA
FWD (L)
HSW
TRAC
CAP HP1
CAP HP2
CAP FG1
CAP FG2
CAP FG [L]
CAP FG [H]
CAP RSF
CAP ET
SERVO GND
TL SW
(TO SYSTEM CT
M20V
FAN GND
FAN 20V
FLY OSC
VERSL
VERSR
7
8
9
10
11
12
13
14

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE
SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★ パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAG
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGR
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSET


P2001
D5V 14B P1008·5
D.GND 15B P1008·7
(TO POWER)
P2002
-12V 19B P1502·9
(TO SUB POWER)
MOTHER 1
P2002
PB PHASE 22B
REC PHASE 22A
ACK (H) 21A
TC-CLK 21B
P61001·13A
(TO INTERFACE)
JW2205 PAL
NOT USED
NOT USED
PAL ONLY
R2232 10K
R2231 10K
R2230 10K
L2202 2R2U
FL2202 VLF0634
C2218 0.01
C2219 6V47
C2220 0.01
FL2205 VLF0634
C2227 6V47
C2228 0.01
L2203 VLP0054
L2204
C2229 0.01
C2230 0.01
C2231 6V47
C2232 0.01
L2205 VLP0054
C2233 0.01
C2234 0.01
FL2206 VLF0634
D5V
DGND-1
-12V
C2244 16V10
IC2205 AN79N05
(-5V REG.)
79N
-5V
-12.0
FL2203 VLF0634
FL2204 VLF0634
C2221 0.01
C2222 6V47
C2223 0.01
C2224 0.01
C2225 6V47
C2226 0.01
C2240 0.01
C2241 0.01
L2206 2R2U
L2207 2R2U
-5.0
IC2203 PCM55HP
D0 D1 D2 D3
VEE VDD VSS
D15 D14 D13 D12 D11 D10 D9 D8 D7 D6 D5 D4
C2215 0.01
R2205 47K
R2206 47K
R2207 10K
R/S/F
FWD(L)
TL SW
R2208 100K
R2209 47K
R2210 47K
R2211 47K
R2212 10K
LM358PS (AMP)
IC2207
C2235 16V10
C2236 0.033 (B)
C2237 6V47
C2238 6V47
IC2206 MC14050BF
IC2207 LM358PS
CFG1
CFG
MC14050BF (BUFFER)
5V
GND
OSC
C2201 6V47
C2202 0.01
C2203 0.01
IC2201 MN19041VSSP
DMX15 DMX14 DMX13 DMX12 DMX11 DMX10 DMX9 DMX8 DMX7 DMX6 DMX5 DMX4 DMX3 DMX2 DMX1 DMX0
AMX0 AMX1 AMX2 AMX3 AMX4 AMX11
A0 0(2.4)
A1 4.4(2.7)
A2 4.7(3.1)
A3 0.5(2.1)
A4 4.1(1.9)
VSS VDD
CLK RST RW AS
OSC
RESET
C2245 0.01
C2246 0.01
C2247 0.01
JW2204 PAL
JW2203 NTSC
JW2207 PAL
JW2206 NTSC
NOT USED
TLSW
PR/W
P1
(TO CYLINDER SERVO)
RESET
R2220 100 FL2207 VLF0630 CAP HP1
R2221 100 FL2208 VLF0630 CAP HP2
R2222 100 FL2209 VLF0630 CAP FG1
R2223 100 FL2210 VLF0630 CAP FG2
R2224 100 FL2211 VLF0630 CAP FG (L)
R2225 100 FL2212 VLF0630 CAP FG (H)
R2226 100 FL2213 VLF0630 CAP RSF
R2227 100 FL2214 VLF0634 CAP ET
SERVO GND
R2228 100 FL2215 VLF0634 TL SW
TL SW
JW2202 PAL
NOT USED
JW2201 NTSC
UFFER)
P2002
CAP HP1 7A P2702·8
CAP HP2 7B P2702·9
CAP FG1 6A P2702·6
CAP FG2 6B P2702·7
CAP FG (L) 5A P2702·4
CAP FG (H) 5B P2702·5
CAP RSF 4A P2702·2
CAP ET 4B P2702·3
SERVO GND 8B P2702·11
TL SW 3B P2702·1
CTL HEAD(G) 1B P1502·5
(TO SERVO DRIVE)
(TO SUB POWER)
(TO SYSTEM CTL.)
CAP FG
(TO SYSTEM CTL.)
M20V
FAN GND
FAN 20V
FLY OSC
VERSL
VERSR
P2002
M20V 24B P1008·9 (TO POWER)
FAN GND 25A P67001·5
FAN 20V 25B P67001·4 (TO OUTPUT JACK 2)
FLY OSC 23A P35402·1
VERSL 24A P35402·3
VERSR 23B P35402·2 (TO SUB VIDEO)

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL…NTSC COLOR SIGNAL, MEASUREMENT TAPE…S-VHS CASSETTE TAPE.

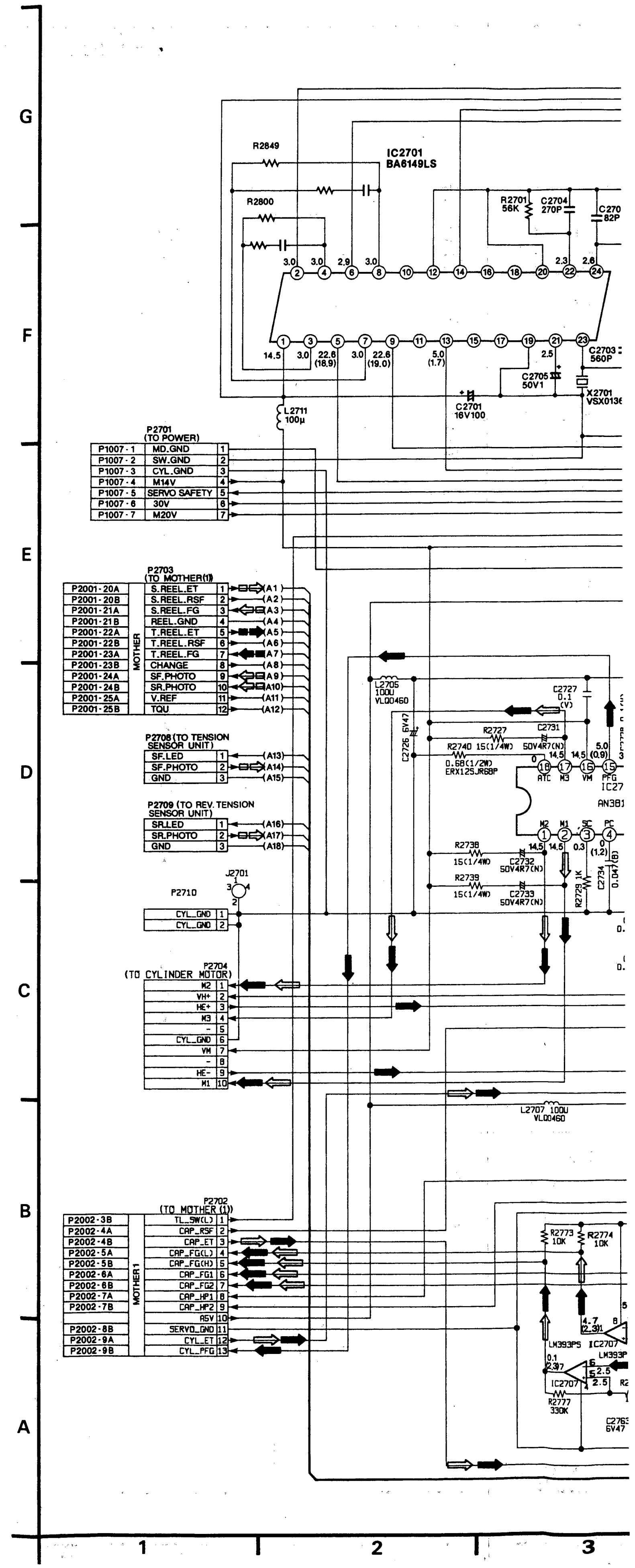
注意：DC電圧の測定値は、録画は（ ）付
停止は（ ）なし
録画停止共通は（ ）なしで示してあります。

10 11 12 13 14 15 16

SERVO DRIVE C.B.A.	
Transistors	
Q2703	B-4
Q2704	B-4
Q2705	B-4
Q2706	B-4
Q2707	C-2
Q2708	B-3
Q2709	B-3
Q2710	A-3
Q2711	C-3
Q2712	D-2
Q2713	B-4
Q2714	A-3
Q2715	B-3
Q2716	A-3
Transistor & Resistors	
QR2701	B-5
QR2702	B-4
QR2703	B-4
QR2704	C-3
QR2705	C-2
Integrated Circuits	
IC2701	A-4
IC2702	D-1
IC2703	D-4
IC2704	B-5
IC2705	D-5
IC2706	D-4
IC2707	D-5
IC2708	D-5
IC2709	D-5
IC2710	D-5
IC2711	C-5
IC2712	D-2
IC2713	A-2
IC2714	B-2
IC2715	E-5
IC2716	C-2
IC2717	C-2
Connectors	
P2701	B-2
P2702	E-4
P2703	D-1
P2704	E-3
P2705	C-5
P2706	D-1
P2707	B-2
P2708	E-2
P2709	E-1
P2710	E-3

ADDRESS INFORMATION

SERVO DRIVE SCHEMATIC DIAGRA


G
F
E
D
C
B
A
1
2
3
IC2701
BA6149LS
R2849
R2800
R2701 56K
C2704 270P
C2703 560P
C2705 50V1
C2701 16V100
X2701
L2711 100µ
P2701 (TO POWER)
P1007-1 MD.GND
P1007-2 SW.GND
P1007-3 CYL.GND
P1007-4 M14V
P1007-5 SERVO SAFETY
P1007-6 30V
P1007-7 M20V
P2703 (TO MOTHER(1))
S.REEL.ET
S.REEL.RSF
S.REEL.FG
REEL.GND
T.REEL.ET
T.REEL.RSF
T.REEL.FG
CHANGE
SF.PHOTO
SR.PHOTO
V.REF
TQU
MOTHER
L2705 100U VLQ0460
C2727 0.1
R2727
C2731
R2740
IC27
AN3B
P2708 (TO TENSION SENSOR UNIT)
SF.LED
SF.PHOTO
GND
P2709 (TO REV. TENSION SENSOR UNIT)
SR.LED
SR.PHOTO
GND
R2738
R2739
C2732
C2733
J2701
P2710
CYL_GND
P2704 (TO CYLINDER MOTOR)
M2
VH+
HE+
M3
CYL_GND
VM
HE-
M1
L2707 100U VLQ0460
P2702 (TO MOTHER (1))
TL_SW(L)
CAP_RSF
CAP_ET
CAP_FG(L)
CAP_FG(H)
CAP_FG1
CAP_FG2
CAP_HP1
CAP_HP2
RSV
SERVO_GND
CYL_ET
CYL_PFG
MOTHER1
R2773 10K
R2774 10K
LM393PS
IC2707
R2777 330K

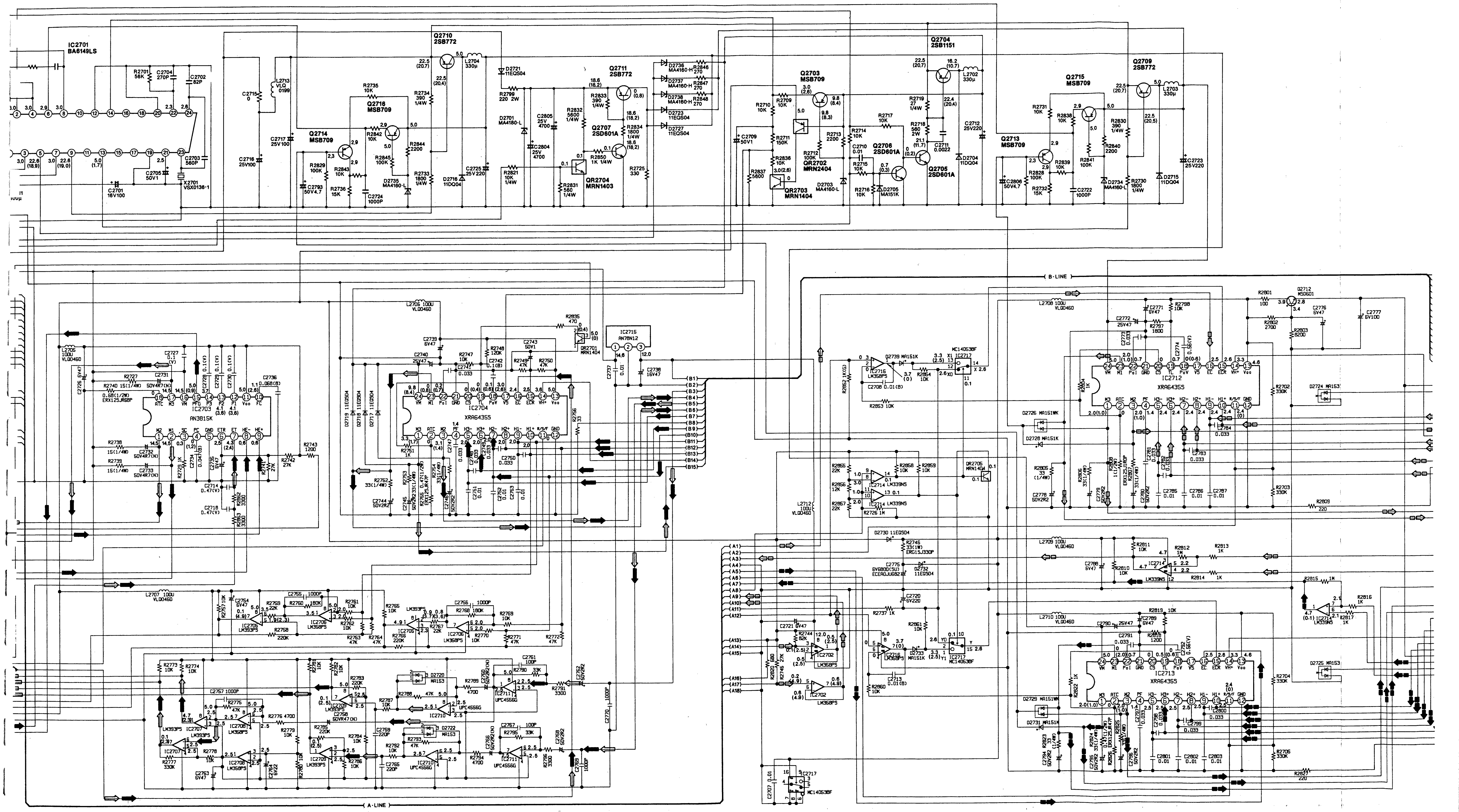
CHEMATIC DIAGRAM

◀■ SPEED LOOP

◁□ PHASE LOOP

◀■■ TAKEUP REEL CONTROL

◁□□ SUPPLY REEL CONTROL



IC2701 BA6149LS
IC2703 AN3815K
IC2704 XRA6435S
IC2712 XRA6435S
IC2713 XRA6435S
IC2715 AN78N12
IC2716 LM358PS
IC2717 MC14053BF
IC2702 LM358PS
IC2714 LM339NS
IC2706 LM393PS
IC2707 LM393PS
IC2708 LM358PS
IC2709 LM393PS
IC2710 UPC4556G
IC2711 UPC4556G
Q2710 2SB772
Q2716 MSB709
Q2714 MSB709
Q2711 2SB772
Q2707 2SD601A
QR2704 MRN1403
Q2703 MSB709
QR2702 MRN2404
QR2703 MRN1404
Q2706 2SD601A
Q2704 2SB1151
Q2705 2SD601A
Q2715 MSB709
Q2713 MSB709
Q2709 2SB772
QR2701 MRN1404
QR2705 MRN1404
Q2712 MSD601
X2701 VSX0136-1
B-LINE
A-LINE

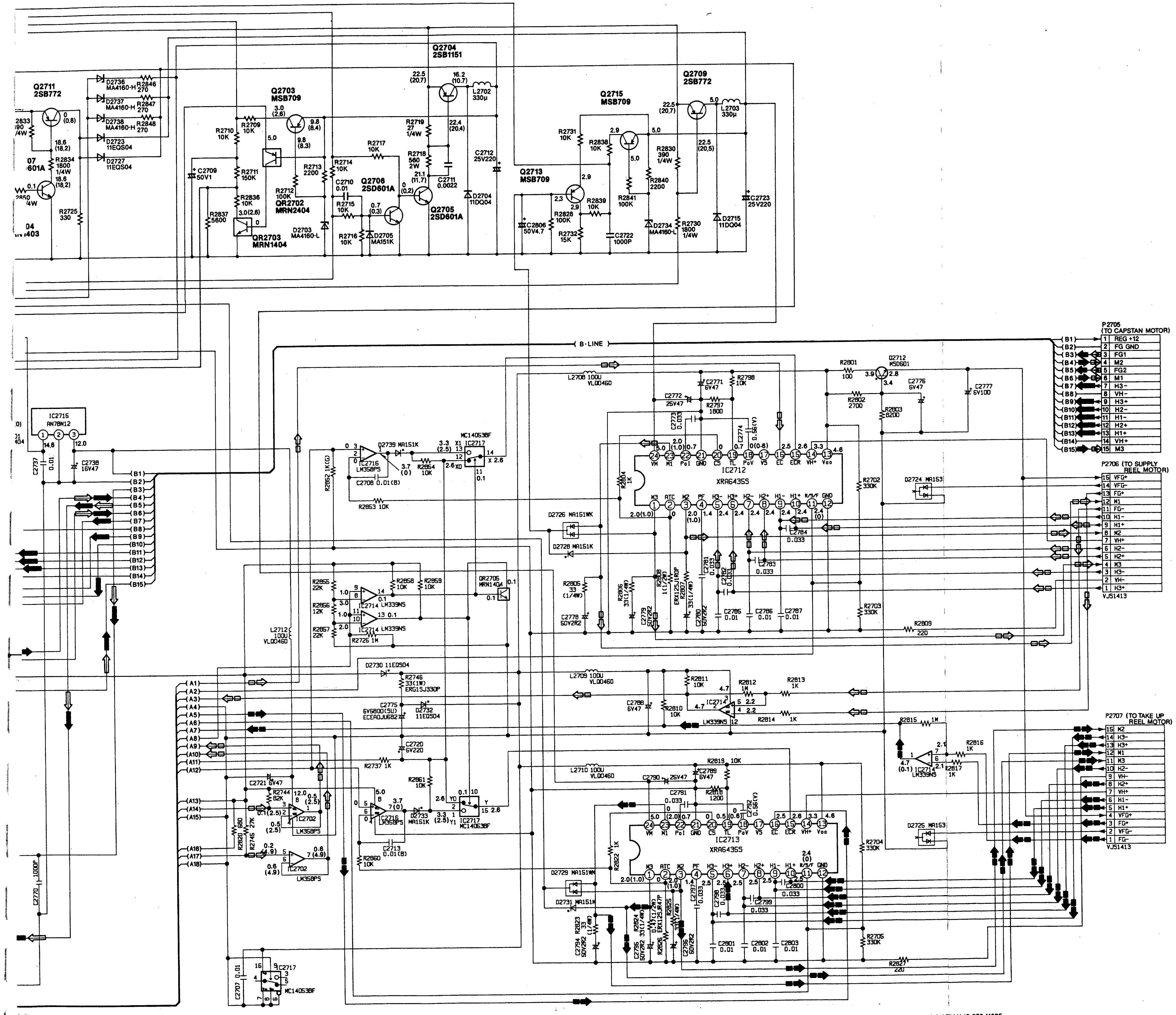
NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE
SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL…NTSC COLOR SIGNAL, MEASUREMENT TAPE…S-VHS CASSETTE TAPE.

注意：DC電圧の

2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12


Q2711 2SB772
Q2703 MSB709
Q2704 2SB1151
Q2706 2SD601A
Q2705 2SD601A
Q2715 MSB709
Q2713 MSB709
Q2709 2SB772
Q2712 MSD601
QR2702 MRN2404
QR2703 MRN1404
QR2705 MRN1404
IC2715 AN78M12
IC2712 XRA6435S
IC2713 XRA6435S
IC2714 LM339NS
IC2716 LM358PS
IC2702 LM358PS
IC2717 MC14053BF
L2702 330μ
L2703 330μ
L2708 100U VL00460
L2709 100U VL00460
L2710 100U VL00460
L2712 100U VL00460
B-LINE
P2705 (TO CAPSTAN MOTOR)
1 REG +12
2 FG GND
3 FG1
4 M2
5 FG2
6 M1
7 H3-
8 VH-
9 H3+
10 H2-
11 H1-
12 H2+
13 H1+
14 VH+
15 M3
P2706 (TO SUPPLY REEL MOTOR)
15 VFG+
14 VFG-
13 FG+
12 M1
11 FG-
10 H1-
9 H1+
8 M2
7 VH+
6 H2-
5 H2+
4 M3
3 H3-
2 VH-
1 H3+
VJS1413
P2707 (TO TAKE UP REEL MOTOR)
15 M2
14 H3-
13 H3+
12 M1
11 M3
10 H2-
9 VH-
8 H2+
7 VH+
6 H1-
5 H1+
4 VFG+
3 FG+
2 VFG-
1 FG-
VJS1413

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★パーツの注文については、パーツリストを参照してください。

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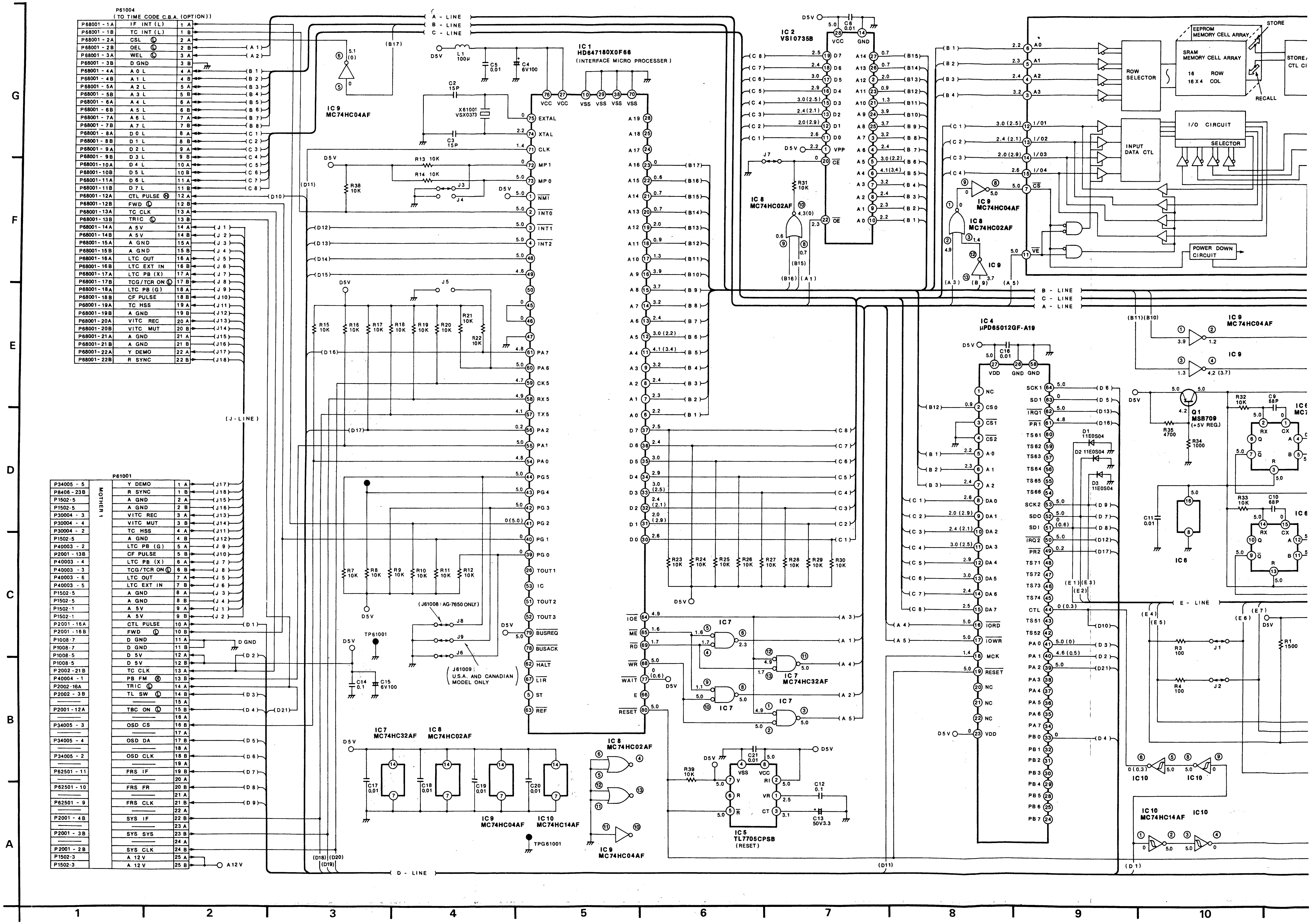
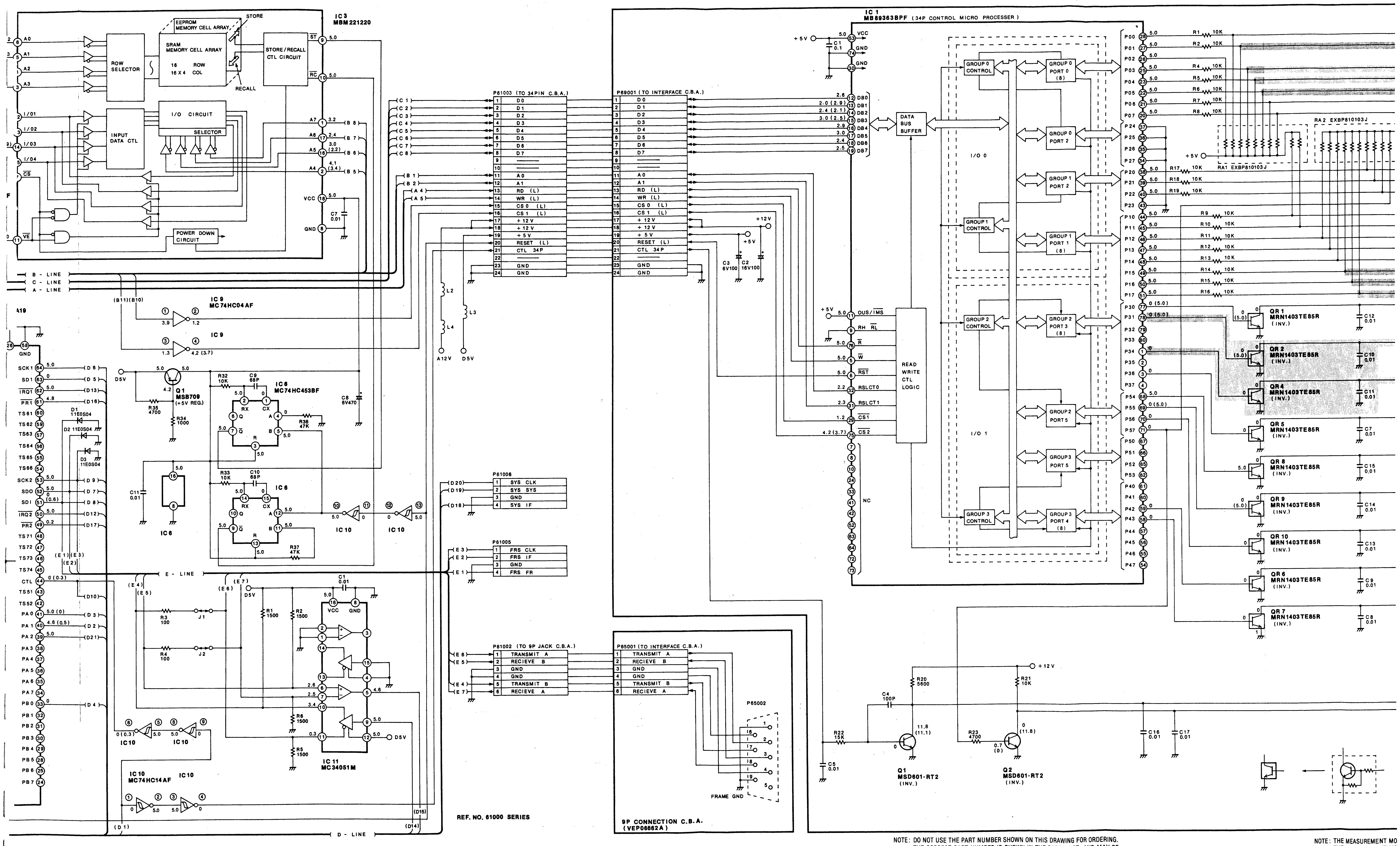
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL…NTSC COLOR SIGNAL, MEASUREMENT TAPE…S-VHS CASSETTE TAPE.

注意：DC電圧の測定値は、録画は（ ）付
停止は（ ）なし
録画停止共通は（ ）なしで示してあります。

7 8 9 10 11 12 13

INTERFACE SCHEMATIC DIAGRAM


P61004
(TO TIME CODE C.B.A. (OPTION))
P68001 - 1A IF INT (L) 1 A
P68001 - 1B TC INT (L) 1 B
P68001 - 2A CSL Ⓛ 2 A
P68001 - 2B OEL Ⓛ 2 B
P68001 - 3A WEL Ⓛ 3 A
P68001 - 3B D GND 3 B
P68001 - 4A A 0 L 4 A
P68001 - 4B A 1 L 4 B
P68001 - 5A A 2 L 5 A
P68001 - 5B A 3 L 5 B
P68001 - 6A A 4 L 6 A
P68001 - 6B A 5 L 6 B
P68001 - 7A A 6 L 7 A
P68001 - 7B A 7 L 7 B
P68001 - 8A D 0 L 8 A
P68001 - 8B D 1 L 8 B
P68001 - 9A D 2 L 9 A
P68001 - 9B D 3 L 9 B
P68001 - 10A D 4 L 10 A
P68001 - 10B D 5 L 10 B
P68001 - 11A D 6 L 11 A
P68001 - 11B D 7 L 11 B
P68001 - 12A CTL PULSE Ⓗ 12 A
P68001 - 12B FWD Ⓛ 12 B
P68001 - 13A TC CLK 13 A
P68001 - 13B TRIC Ⓛ 13 B
P68001 - 14A A 5V 14 A
P68001 - 14B A 5V 14 B
P68001 - 15A A GND 15 A
P68001 - 15B A GND 15 B
P68001 - 16A LTC OUT 16 A
P68001 - 16B LTC EXT IN 16 B
P68001 - 17A LTC PB (X) 17 A
P68001 - 17B TCG/TCR ON Ⓛ 17 B
P68001 - 18A LTC PB (G) 18 A
P68001 - 18B CF PULSE 18 B
P68001 - 19A TC HSS 19 A
P68001 - 19B A GND 19 B
P68001 - 20A VITC REC 20 A
P68001 - 20B VITC MUT 20 B
P68001 - 21A A GND 21 A
P68001 - 21B A GND 21 B
P68001 - 22A Y DEMO 22 A
P68001 - 22B R SYNC 22 B
P61001
MOTHER 1
P34005 - 5 Y DEMO 1 A
P8406 - 23B R SYNC 1 B
P1502-5 A GND 2 A
P1502-5 A GND 2 B
P30004 - 3 VITC REC 3 A
P30004 - 4 VITC MUT 3 B
P30004 - 2 TC HSS 4 A
P1502-5 A GND 4 B
P40003 - 2 LTC PB (G) 5 A
P2001 - 13B CF PULSE 5 B
P40003 - 4 LTC PB (X) 6 A
P40003 - 3 TCG/TCR ON Ⓛ 6 B
P40003 - 6 LTC OUT 7 A
P40003 - 5 LTC EXT IN 7 B
P1502-5 A GND 8 A
P1502-5 A GND 8 B
P1502-1 A 5V 9 A
P1502-1 A 5V 9 B
P2001 - 16A CTL PULSE 10 A
P2001 - 16B FWD Ⓛ 10 B
P1008-7 D GND 11 A
P1008-7 D GND 11 B
P1008-5 D 5V 12 A
P1008-5 D 5V 12 B
P2002 - 21B TC CLK 13 A
P40004 - 1 PB FM Ⓗ 13 B
P2002-16A TRIC Ⓛ 14 A
P2002 - 3B TL SW Ⓛ 14 B
15 A
P2001 - 12A TBC ON Ⓛ 15 B
16 A
P34005 - 3 OSD CS 16 B
17 A
P34005 - 4 OSD DA 17 B
18 A
P34005 - 2 OSD CLK 18 B
19 A
P62501 - 11 FRS IF 19 B
20 A
P62501 - 10 FRS FR 20 B
21 A
P62501 - 9 FRS CLK 21 B
22 A
P2001 - 4B SYS IF 22 B
23 A
P2001 - 3B SYS SYS 23 B
24 A
P2001 - 2B SYS CLK 24 B
P1502-3 A 12V 25 A
P1502-3 A 12V 25 B
A 12V
D GND
(J-LINE)
A - LINE
B - LINE
C - LINE
D - LINE
E - LINE
IC 1
HD647180X0F66
(INTERFACE MICRO PROCESSER)
IC 2
VSI0735B
IC 4
µPD65012GF-A19
IC 5
TL7705CPSB
(RESET)
IC 6
IC 7
MC74HC32AF
IC 8
MC74HC02AF
IC 9
MC74HC04AF
IC 10
MC74HC14AF
Q1
MSB709
(+5V REG.)
X61001
VSX0373
L1
100µ
C5 0.01
C4 6V100
C2 15P
C3 15P
R13 10K
R14 10K
R38 10K
R31 10K
J3
J4
J5
J6
J7
J8
J9
D5V
(J61008 : AG-7650 ONLY)
(J61009 : U.S.A. AND CANADIAN MODEL ONLY)
TP61001
TPG61001
C14 0.1
C15 6V100
C17 0.01
C18 0.01
C19 0.01
C20 0.01
C16 0.01
C21 0.01
C12 0.1
C13 50V3.3
R39 10K
R15 10K
R16 10K
R17 10K
R18 10K
R19 10K
R20 10K
R21 10K
R22 10K
R7 10K
R8 10K
R9 10K
R10 10K
R11 10K
R12 10K
R23 10K
R24 10K
R25 10K
R26 10K
R27 10K
R28 10K
R29 10K
R30 10K
D1 11E0S04
D2 11E0S04
D3 11E0S04
R32 10K
C9 68P
R33 10K
C10 68P
R35 4700
R34 1000
C11 0.01
R3 100
R4 100
R1 1500
J1
J2
VCC VCC VSS VSS VSS VSS
EXTAL XTAL CLK MP1 MP0 NMI INT0 INT1 INT2
PA7 PA6 CKS RXS TXS PA2 PA1 PA0 PG5 PG4 PG3 PG2 PG1 PG0
TOUT1 IC TOUT2 TOUT3 BUSREQ BUSACK HALT LIR ST REF
A19 A18 A17 A16 A15 A14 A13 A12 A11 A10 A9 A8 A7 A6 A5 A4 A3 A2 A1 A0
D7 D6 D5 D4 D3 D2 D1 D0
IOE ME RD WR WAIT E RESET
VCC GND VPP CE OE
NC CS0 CS1 CS2 A0 A1 A2 DA0 DA1 DA2 DA3 DA4 DA5 DA6 DA7 IORD IOWR MCK RESET NC NC NC VDD
VDD GND GND
SCK1 SD1 IRQ1 PR1 TS61 TS62 TS63 TS64 TS65 TS66 SCK2 SDO SDI IRQ2 PR2 TS71 TS72 TS73 TS74 CTL TS51 TS52
PA0 PA1 PA2 PA3 PA4 PA5 PA6 PA7 PB0 PB1 PB2 PB3 PB4 PB5 PB6 PB7
VSS VCC V RI VR R CT
I/01 I/02 I/03 I/04 CS VE
EEPROM MEMORY CELL ARRAY
SRAM MEMORY CELL ARRAY
16 ROW
16 X 4 COL
STORE
RECALL
ROW SELECTOR
INPUT DATA CTL
I/O CIRCUIT
SELECTOR
POWER DOWN CIRCUIT
RX CX Q Q̄ R A B
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10


IC 3
MBM 221220
EEPROM MEMORY CELL ARRAY
STORE
SRAM MEMORY CELL ARRAY
16 ROW
16 X 4 COL
ROW SELECTOR
STORE / RECALL CTL CIRCUIT
RECALL
I/O CIRCUIT
SELECTOR
INPUT DATA CTL
POWER DOWN CIRCUIT
A0
A1
A2
A3
I/01
I/02
I/03
I/04
CS
VE
ST
RC
VCC
GND
C7 0.01
B - LINE
C - LINE
A - LINE
D - LINE
E - LINE
IC 9
MC 74HC04AF
IC 10
MC74HC14AF
IC 6
MC74HC453BF
IC 11
MC34051M
Q1
MSB709
(+5V REG.)
R32 10K
C9 68P
R33 10K
C10 68P
R35 4700
R34 1000
R36 47K
R37 47K
C11 0.01
C8 6V470
D1 11E0S04
D2 11E0S04
D3 11E0S04
D5V
R1 1500
R2 1500
R3 100
R4 100
R5 1500
R6 1500
J1
J2
C1 0.01
SCK1
SD1
IRQ1
PR1
TS61
TS62
TS63
TS64
TS65
TS66
SCK2
SD0
SD1
IRQ2
PR2
TS71
TS72
TS73
TS74
CTL
TS51
TS52
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
P61003 (TO 34PIN C.B.A.)
P69001 (TO INTERFACE C.B.A.)
D0
D1
D2
D3
D4
D5
D6
D7
A0
A1
RD (L)
WR (L)
CS 0 (L)
CS 1 (L)
+ 12 V
+ 5 V
RESET (L)
CTL 34P
GND
L2
L3
L4
A12V
D5V
C3 6V100
C2 16V100
P61006
SYS CLK
SYS SYS
SYS IF
P61005
FRS CLK
FRS IF
FRS FR
P61002 (TO 9P JACK C.B.A.)
P65001 (TO INTERFACE C.B.A.)
TRANSMIT A
RECIEVE B
TRANSMIT B
RECIEVE A
P65002
FRAME GND
9P CONNECTION C.B.A.
(VEP06662A)
REF. NO. 61000 SERIES
IC 1
MB89363BPF (34P CONTROL MICRO PROCESSER)
+5 V
C1 0.1
DB0
DB1
DB2
DB3
DB4
DB5
DB6
DB7
DATA BUS BUFFER
OUS/IMS
RH RL
R
W
RST
RSLCT0
RSLCT1
CS1
CS2
NC
READ WRITE CTL LOGIC
I/O 0
I/O 1
GROUP 0 CONTROL
GROUP 1 CONTROL
GROUP 2 CONTROL
GROUP 3 CONTROL
GROUP 0 PORT 0 (8)
GROUP 0 PORT 2
GROUP 1 PORT 2
GROUP 1 PORT 1 (8)
GROUP 2 PORT 3 (8)
GROUP 2 PORT 5
GROUP3 PORT 5
GROUP 3 PORT 4 (8)
P00
P01
P02
P03
P04
P05
P06
P07
P24
P25
P26
P27
P20
P21
P22
P23
P10
P11
P12
P13
P14
P15
P16
P17
P30
P31
P32
P33
P34
P35
P36
P37
P54
P55
P56
P57
P50
P51
P52
P53
P40
P41
P42
P43
P44
P45
P46
P47
R1 10K
R2 10K
R4 10K
R5 10K
R6 10K
R7 10K
R8 10K
R17 10K
R18 10K
R19 10K
R9 10K
R10 10K
R11 10K
R12 10K
R13 10K
R14 10K
R15 10K
R16 10K
RA1 EXBP810103J
RA2 EXBP810103J
QR 1 MRN1403TE85R (INV.)
QR 2 MRN1403TE85R (INV.)
QR4 MRN1403TE85R (INV.)
QR 5 MRN1403TE85R (INV.)
QR 8 MRN1403TE85R (INV.)
QR 9 MRN1403TE85R (INV.)
QR 10 MRN1403TE85R (INV.)
QR 6 MRN1403TE85R (INV.)
QR 7 MRN1403TE85R (INV.)
C12 0.01
C10 0.01
C11 0.01
C7 0.01
C15 0.01
C14 0.01
C13 0.01
C9 0.01
C8 0.01
+ 12 V
R20 5600
R21 10K
C4 100P
R22 15K
C5 0.01
R23 4700
Q1 MSD601-RT2 (INV.)
Q2 MSD601-RT2 (INV.)
C16 0.01
C17 0.01

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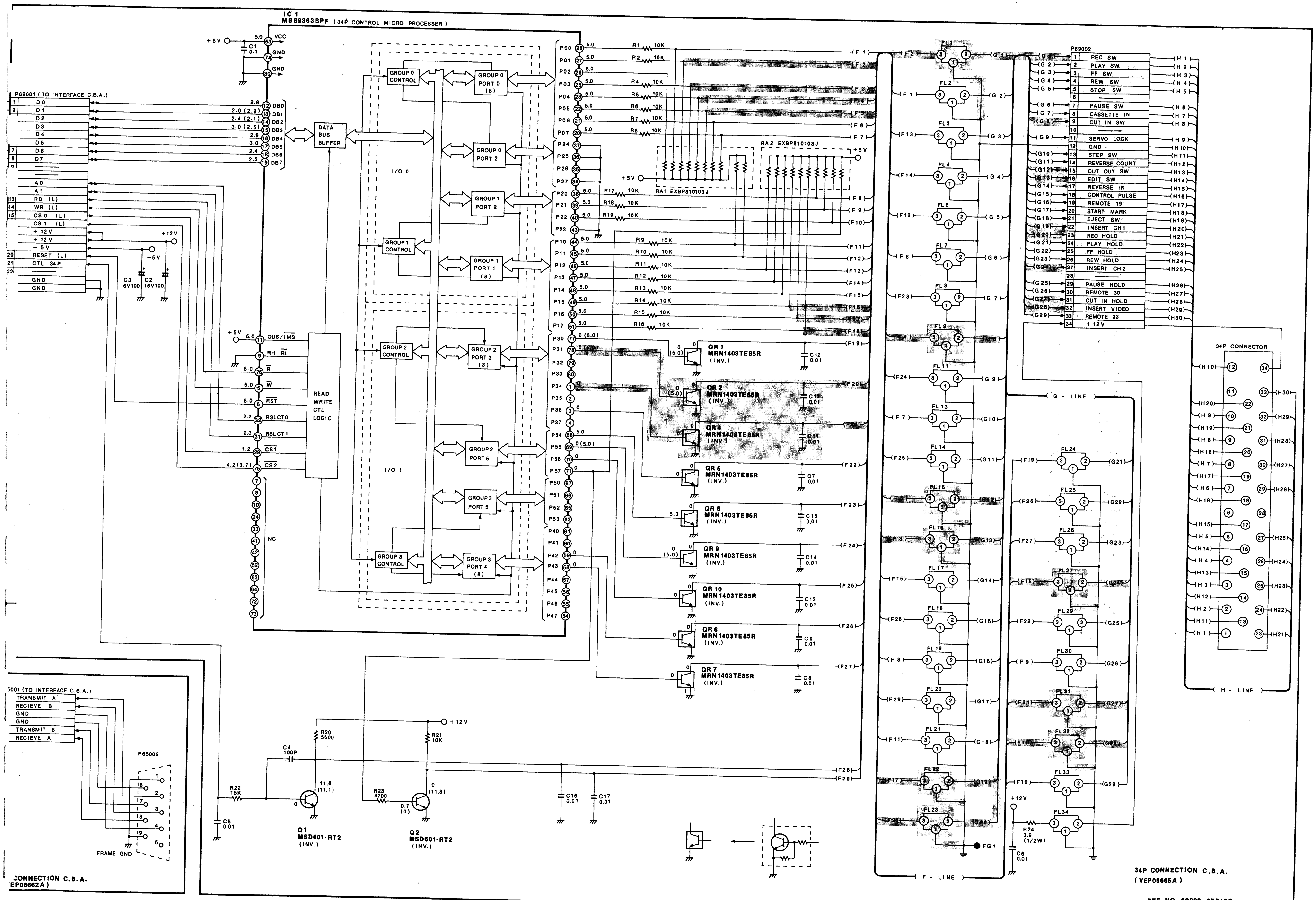
★パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MO
THE MEASUREMENT MO
MEASUREMENT SIGNAL

9	10	11	12	13	14	15	16	17	18	19	20


IC 1
MB89363BPF (34P CONTROL MICRO PROCESSER)
+5V
VCC
GND
C1 0.1
P69001 (TO INTERFACE C.B.A.)
D0
D1
D2
D3
D4
D5
D6
D7
A0
A1
RD (L)
WR (L)
CS0 (L)
CS1 (L)
+12V
+5V
RESET (L)
CTL 34P
GND
C3 6V100
C2 16V100
DB0
DB1
DB2
DB3
DB4
DB5
DB6
DB7
DATA BUS BUFFER
READ WRITE CTL LOGIC
OUS/IMS
RH RL
R
W
RST
RSLCT0
RSLCT1
CS1
CS2
NC
I/O 0
I/O 1
GROUP 0 CONTROL
GROUP 0 PORT 0 (8)
GROUP 0 PORT 2
GROUP 1 PORT 2
GROUP 1 CONTROL
GROUP 1 PORT 1 (8)
GROUP 2 CONTROL
GROUP 2 PORT 3 (8)
GROUP 2 PORT 5
GROUP 3 PORT 5
GROUP 3 CONTROL
GROUP 3 PORT 4 (8)
RA1 EXBP810103J
RA2 EXBP810103J
QR1 MRN1403TE85R (INV.)
QR2 MRN1403TE85R (INV.)
QR4 MRN1403TE85R (INV.)
QR5 MRN1403TE85R (INV.)
QR8 MRN1403TE85R (INV.)
QR9 MRN1403TE85R (INV.)
QR10 MRN1403TE85R (INV.)
QR6 MRN1403TE85R (INV.)
QR7 MRN1403TE85R (INV.)
P65001 (TO INTERFACE C.B.A.)
TRANSMIT A
RECIEVE B
GND
GND
TRANSMIT B
RECIEVE A
P65002
FRAME GND
C4 100P
R20 5600
R21 10K
R22 15K
R23 4700
C5 0.01
C16 0.01
C17 0.01
Q1 MSD601-RT2 (INV.)
Q2 MSD601-RT2 (INV.)
+12V
P69002
REC SW
PLAY SW
FF SW
REW SW
STOP SW
PAUSE SW
CASSETTE IN
CUT IN SW
SERVO LOCK
GND
STEP SW
REVERSE COUNT
CUT OUT SW
EDIT SW
REVERSE IN
CONTROL PULSE
REMOTE 19
START MARK
EJECT SW
INSERT CH1
REC HOLD
PLAY HOLD
FF HOLD
REW HOLD
INSERT CH2
PAUSE HOLD
REMOTE 30
CUT IN HOLD
INSERT VIDEO
REMOTE 33
+12V
34P CONNECTOR
G - LINE
F - LINE
H - LINE
FG1
R24 3.9 (1/2W)
C6 0.01
CONNECTION C.B.A.
EP06662A)

34P CONNECTION C.B.A.
(VEP06665A)

REF. NO. 69000 SERIES

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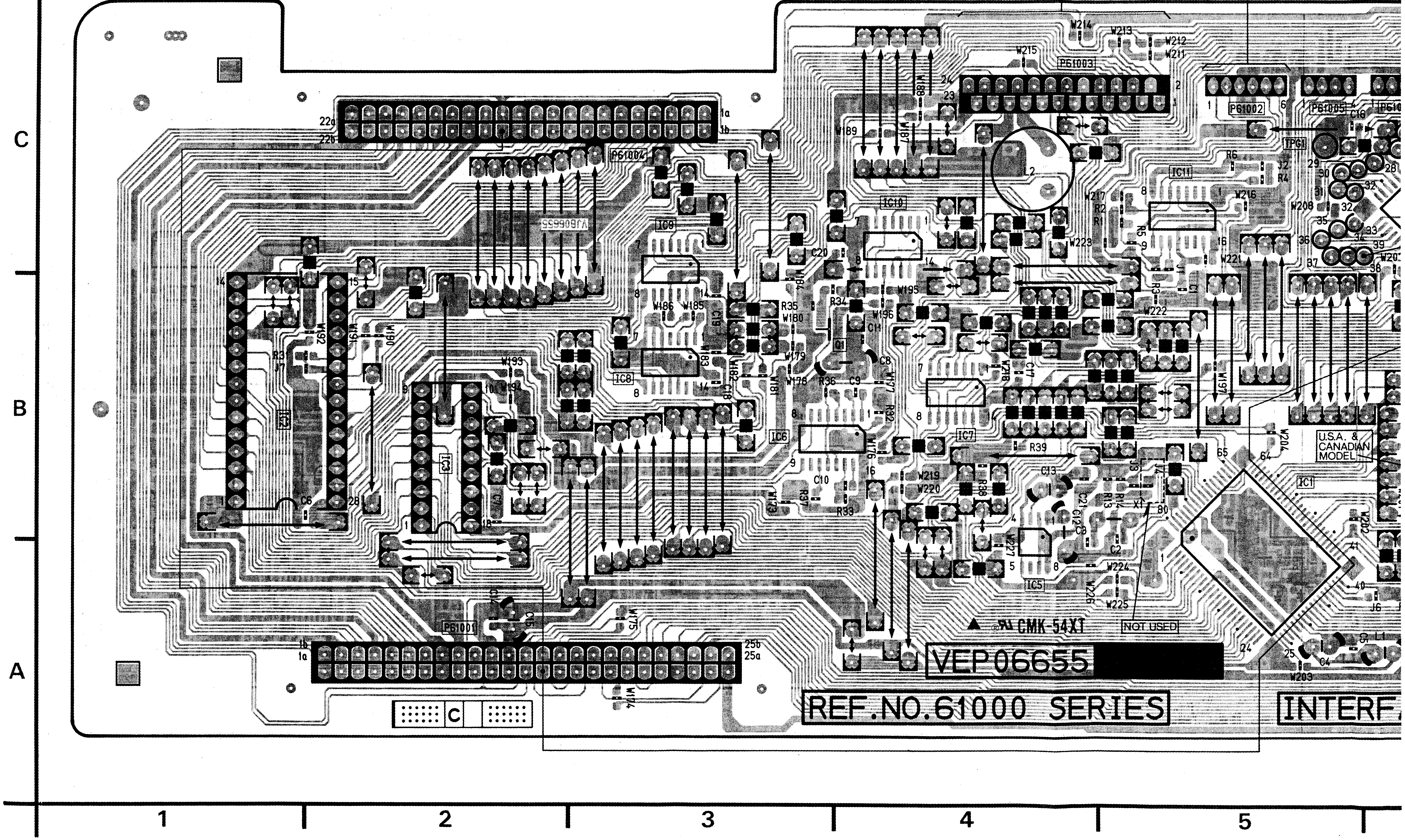
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

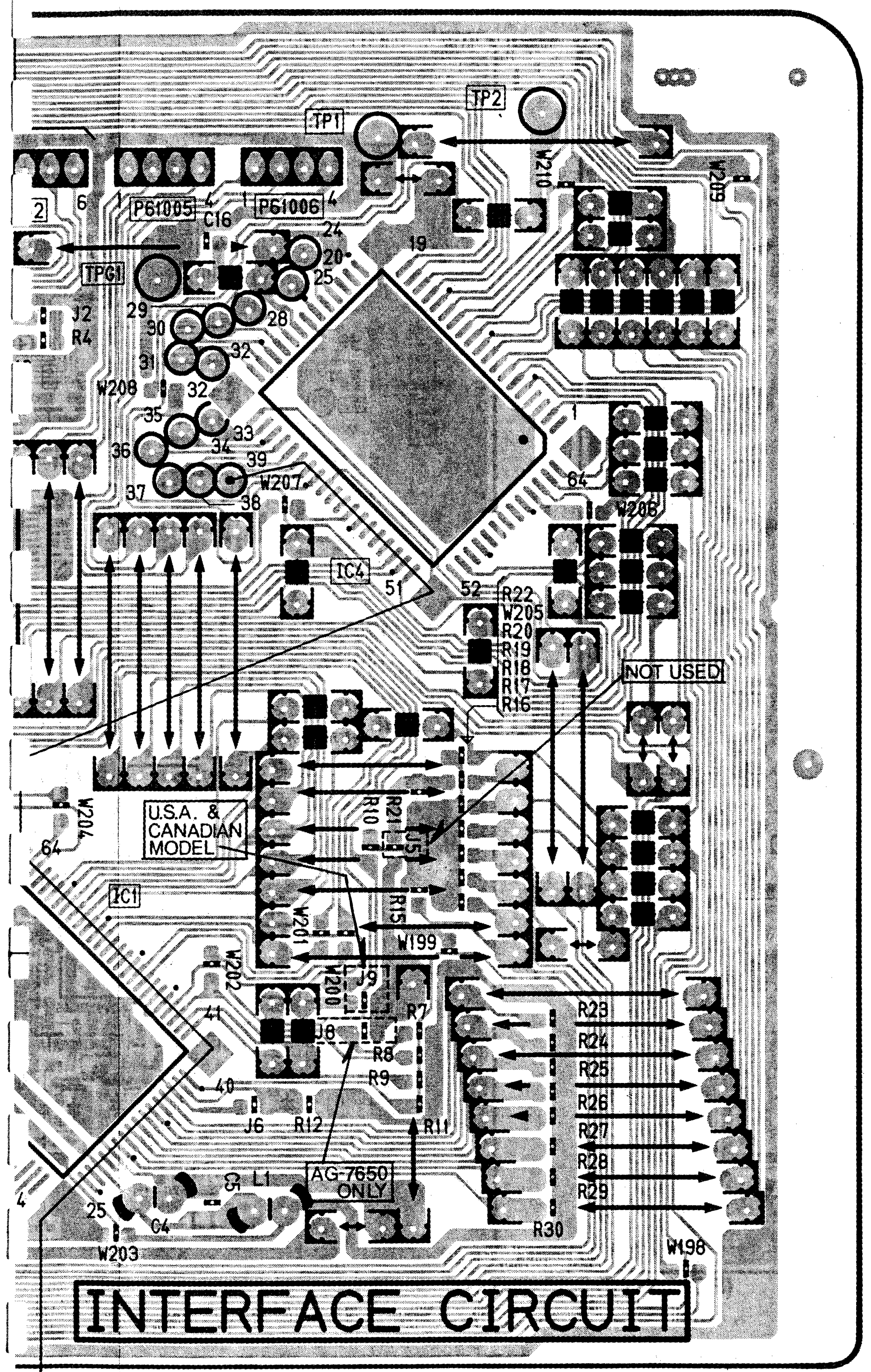
注意：DC電圧の測定値は、録画は（ ）付
再生は（ ）なし
録再共通は（ ）なしで示してあります。

14 15 16 17 18 19 20 21 22 23

INTERFACE C.B.A. (VEP06655A: AG-7750 JAPAN/VEP06655B: AG-7750 U.S.A. & CANADA/VEP06655C: AG-7650 JAPAN/VEP06655D: AG-7650 U.S

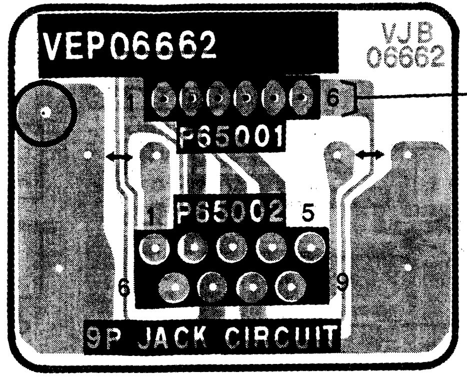
INTERFACE C.B.A.
(VEP06655A: AG-7750 JAPAN/VEP06655B: AG-7750 U.S.A. & CANADA)
(VEP06655C: AG-7650 JAPAN/VEP06655D: AG-7650 U.S.A. & CANADA)


C
B
A
1
2
3
4
5
P61004
P61001
P61003
P61002
P61005
IPG1
22a
22b
1a
1b
25b
25a
IC1
IC2
IC3
IC5
IC6
IC7
IC8
IC9
IC10
IC11
L2
L1
Q1
X1
C6
C8
C9
C10
C11
C13
C14
C15
C16
C17
C18
C19
C20
R6
R31
R33
R34
R35
R36
R39
J6
J7
W174
W175
W176
W177
W178
W179
W180
W189
W190
W191
W192
W193
W194
W195
W196
W197
W203
W204
W208
W211
W212
W213
W214
W215
W216
W217
W219
W220
W221
W222
W223
W224
W225
W226
W227
U.S.A. & CANADIAN MODEL
NOT USED
CMK-54XT
VEP06655 [redacted]
REF.NO.61000 SERIES
INTERF
C


TP1
TP2
P61005
P61006
C16
TPG1
J2
R4
W208
W207
W206
W205
W209
W210
IC4
R22
R20
R19
R18
R17
R16
NOT USED
U.S.A. &
CANADIAN
MODEL
IC1
R21
R10
R15
W201
W199
W200
W202
W204
R7
R8
R9
R11
R12
J6
R23
R24
R25
R26
R27
R28
R29
R30
AG-7650
ONLY
C5
L1
C4
W203
W198
INTERFACE CIRCUIT

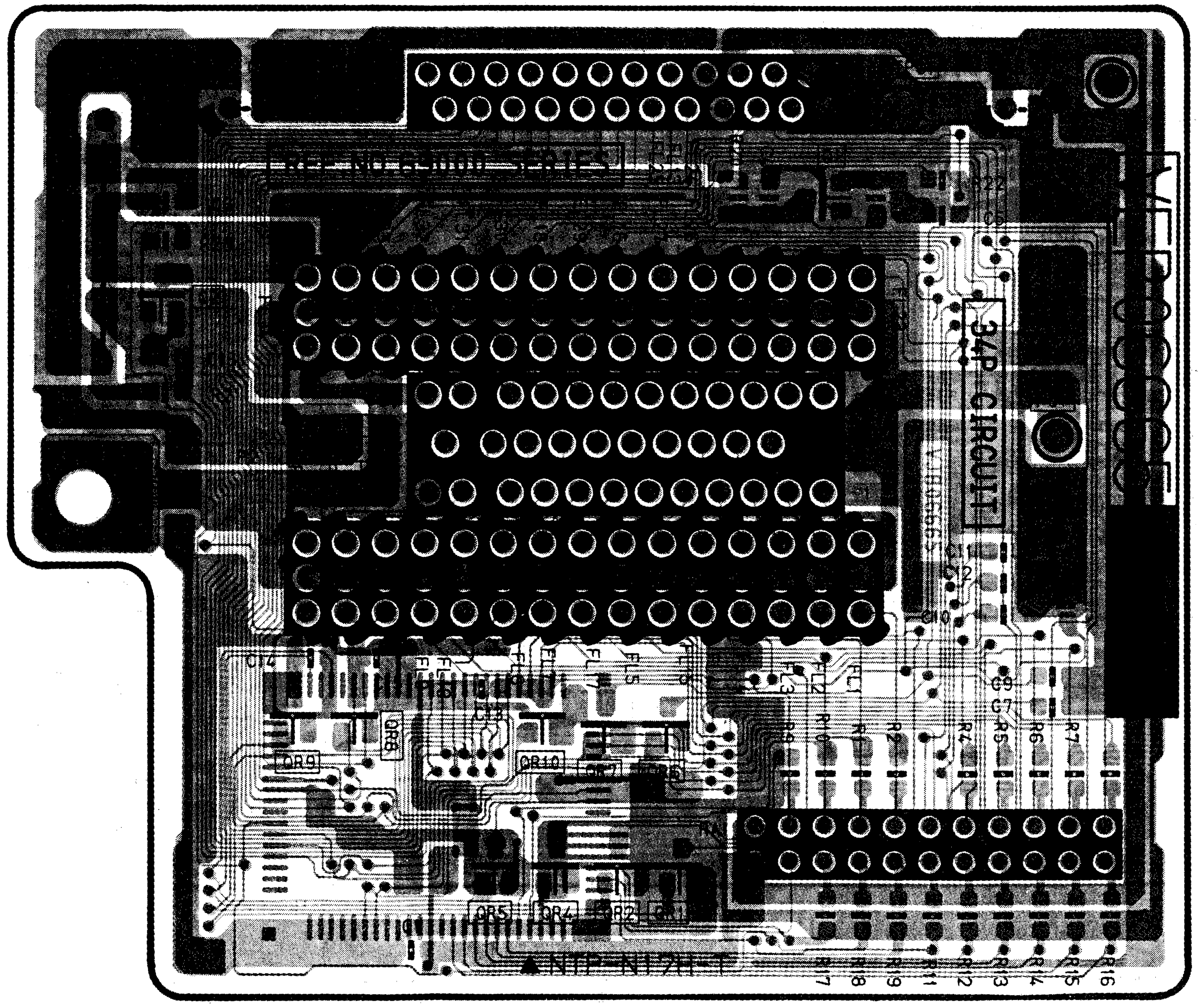
(FOIL SIDE)

9P JACK C.B.A.
(VEP06662A)

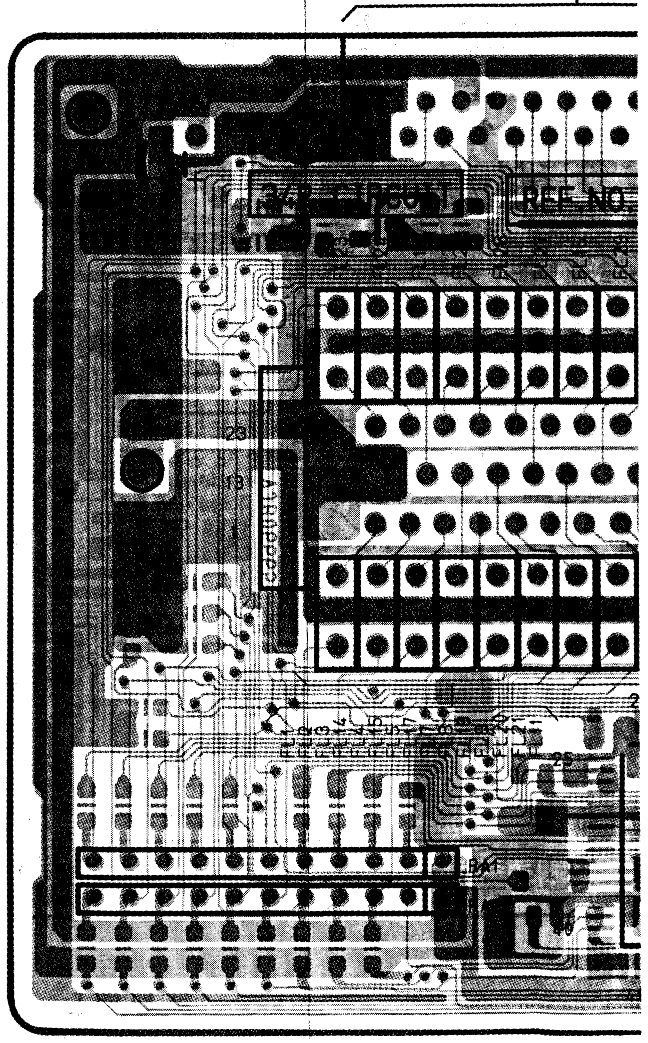

VEP06662
VJB
06662
P65001
P65002
1
5
6
9
9P JACK CIRCUIT

(FOIL SIDE)

34P C.B.A. (VEP06665A: AG-7750/VEP06665B: AG-7650)

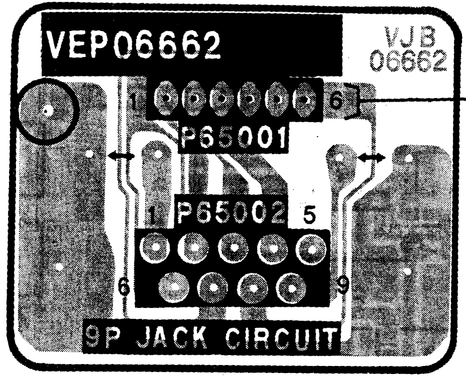

34P CIRCUIT
NTP-N12H-1

(FOIL SIDE)



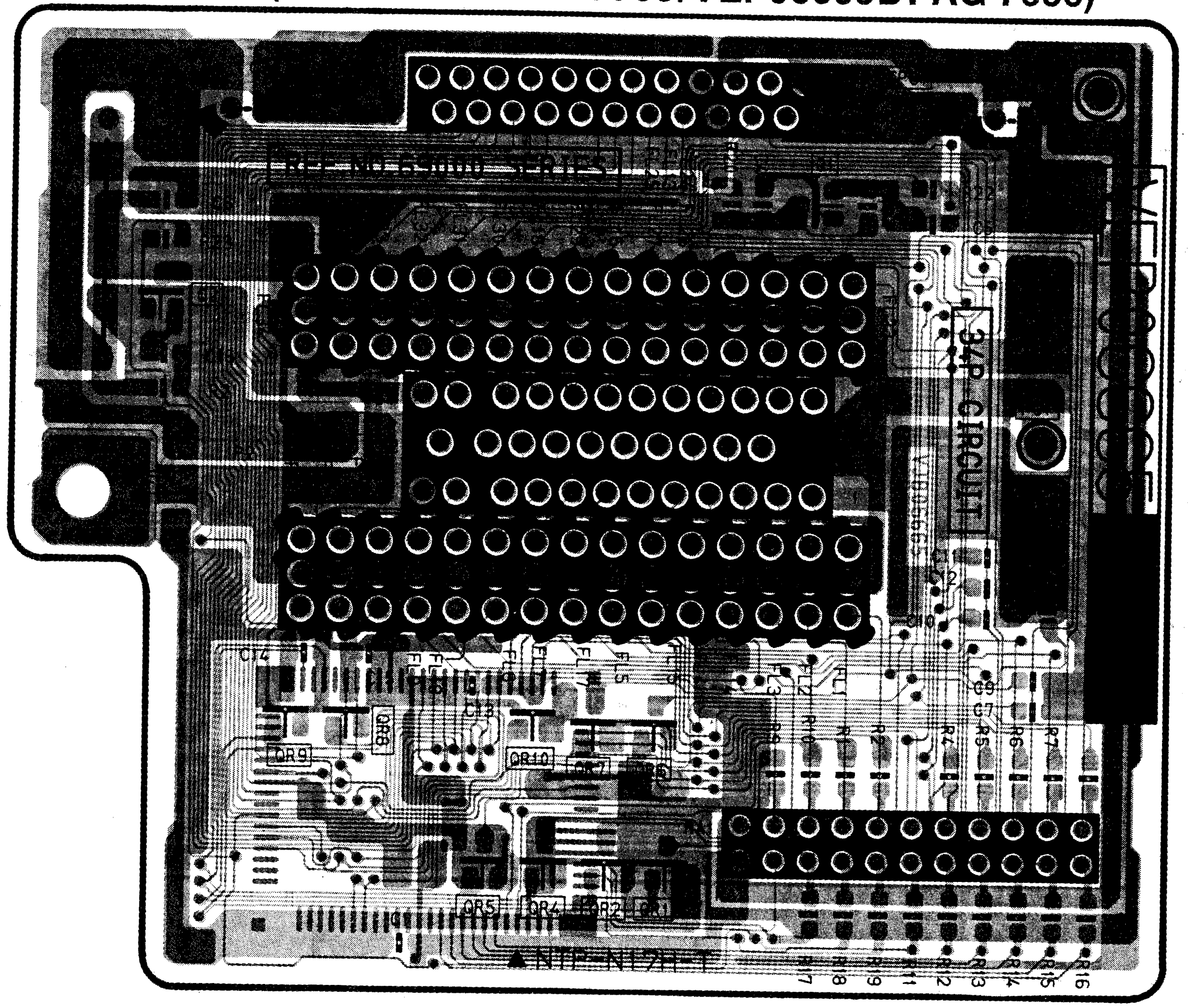
VEP06662A) AND 34P C.B.A. (VEP06665A: AG-7750/VEP06665B: AG-7650)

9P JACK C.B.A.
(VEP06662A)

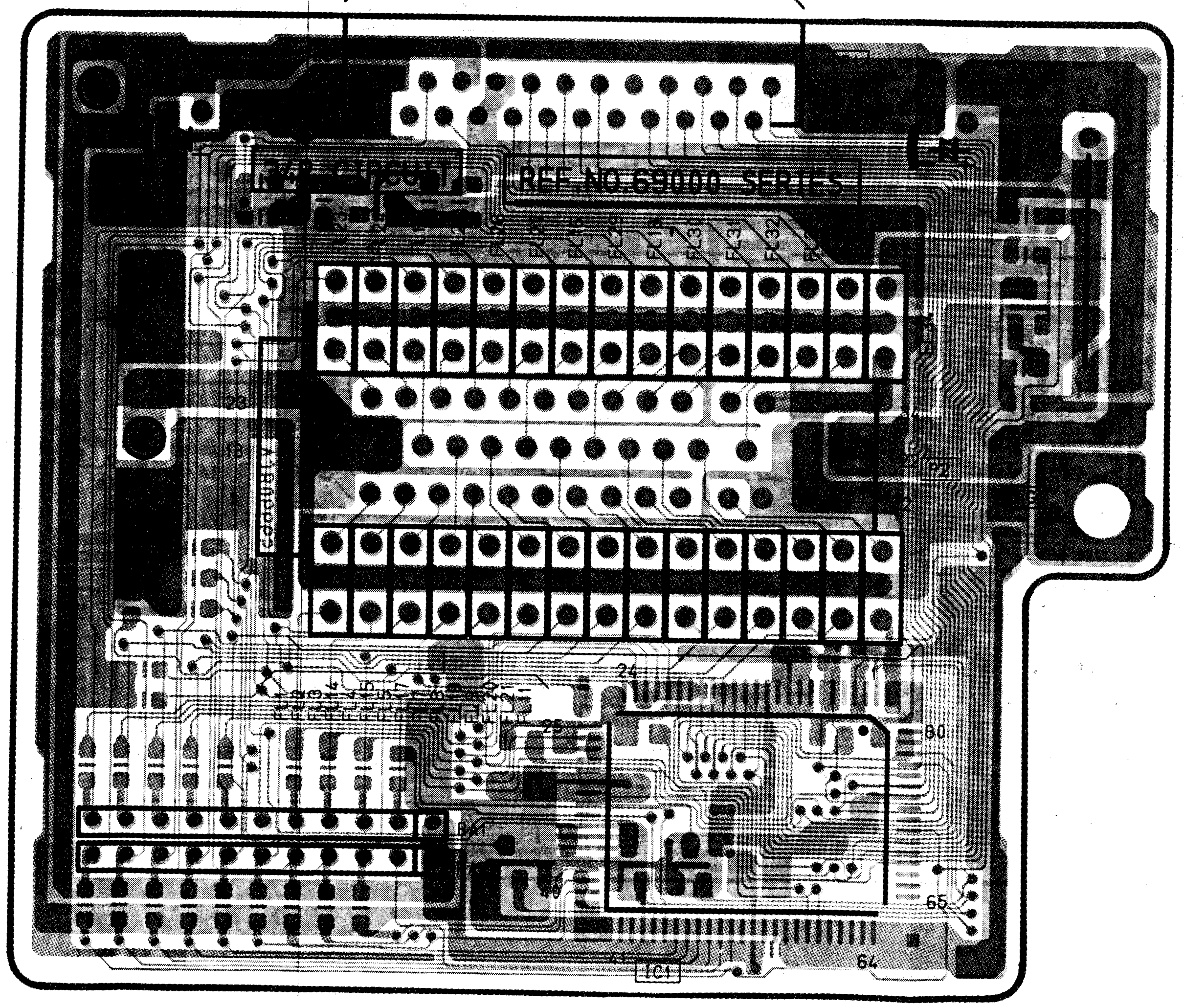

VEP06662
VJB 06662
1
6
P65001
1
P65002
5
6
9
9P JACK CIRCUIT

(FOIL SIDE)

34P C.B.A. (VEP06665A: AG-7750/VEP06665B: AG-7650)


REF NO 69000 SERIES
34P CIRCUIT
C14
C13
QR9
QR8
QR10
QR7
QR5
QR4
QR2
QR1
C9
C7
R5
R6
R7
R1
R2
R3
R4
R8
R9
R10
R11
R12
R13
R14
R15
R16
▲NTF-N12HE-T

(FOIL SIDE)


REF NO 69000 SERIES
23
24
25
80
65
64
IC1

(COMPONENT SIDE)

7 8 9 10 11

INTERFACE C.B.A.	
Transistor	
Q61001	B-3
Integrated Circuits	
IC61001	B-5
IC61002	B-1
IC61003	B-2
IC61004	B-6
IC61005	A-4
IC61006	B-3
IC61007	B-4
IC61008	B-3
IC61009	C-3
IC61010	C-4
IC61011	C-5
Test Points	
TP61001	C-6
TP61002	C-6
TPG61001	C-5
Connectors	
P61001	A-2
P61002	C-5
P61003	C-4
P61004	C-3
P61005	C-5
P61006	C-6

ADDRESS INFORMATION

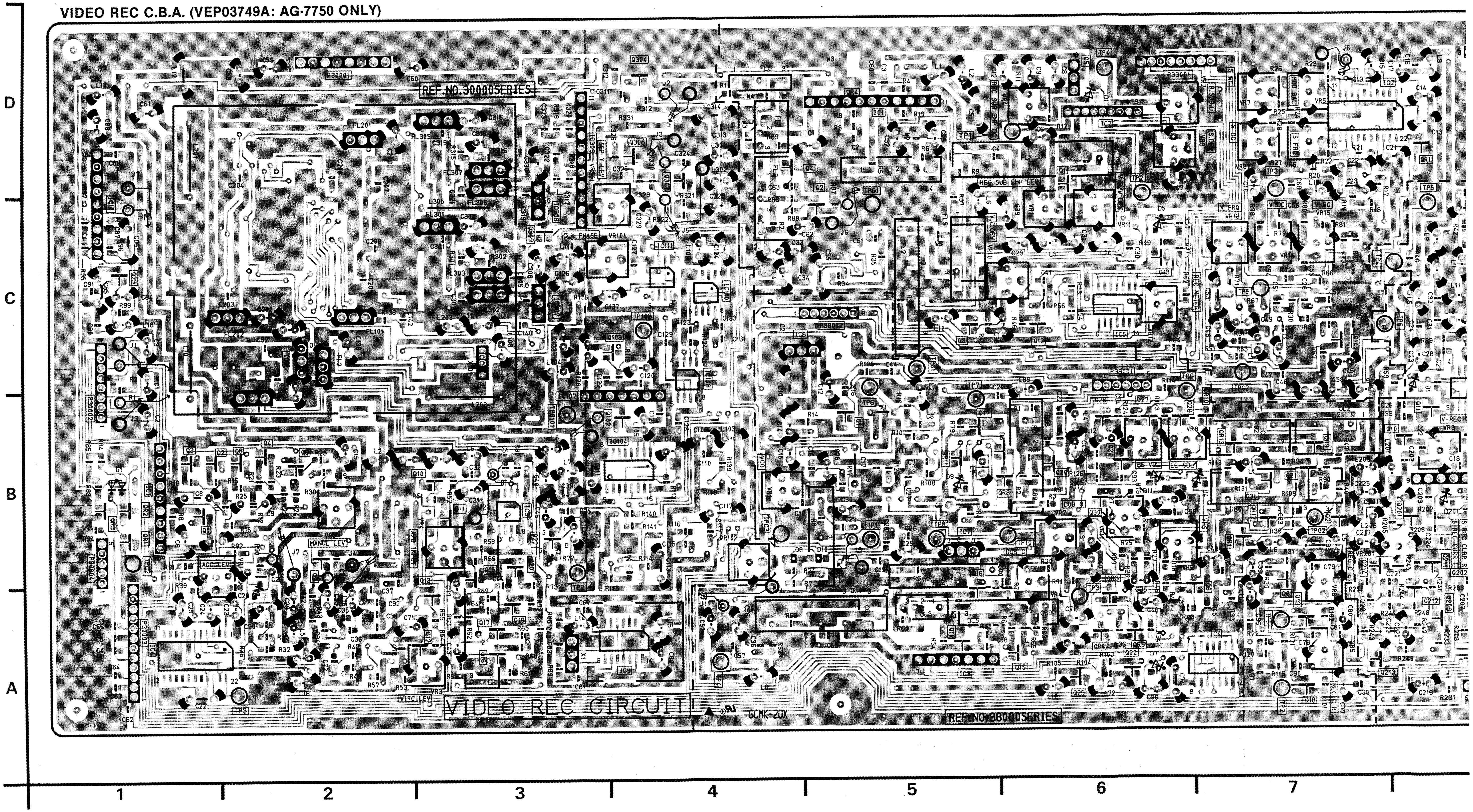
9P JACK C.B.A.	
Connector	
P65001	C-8

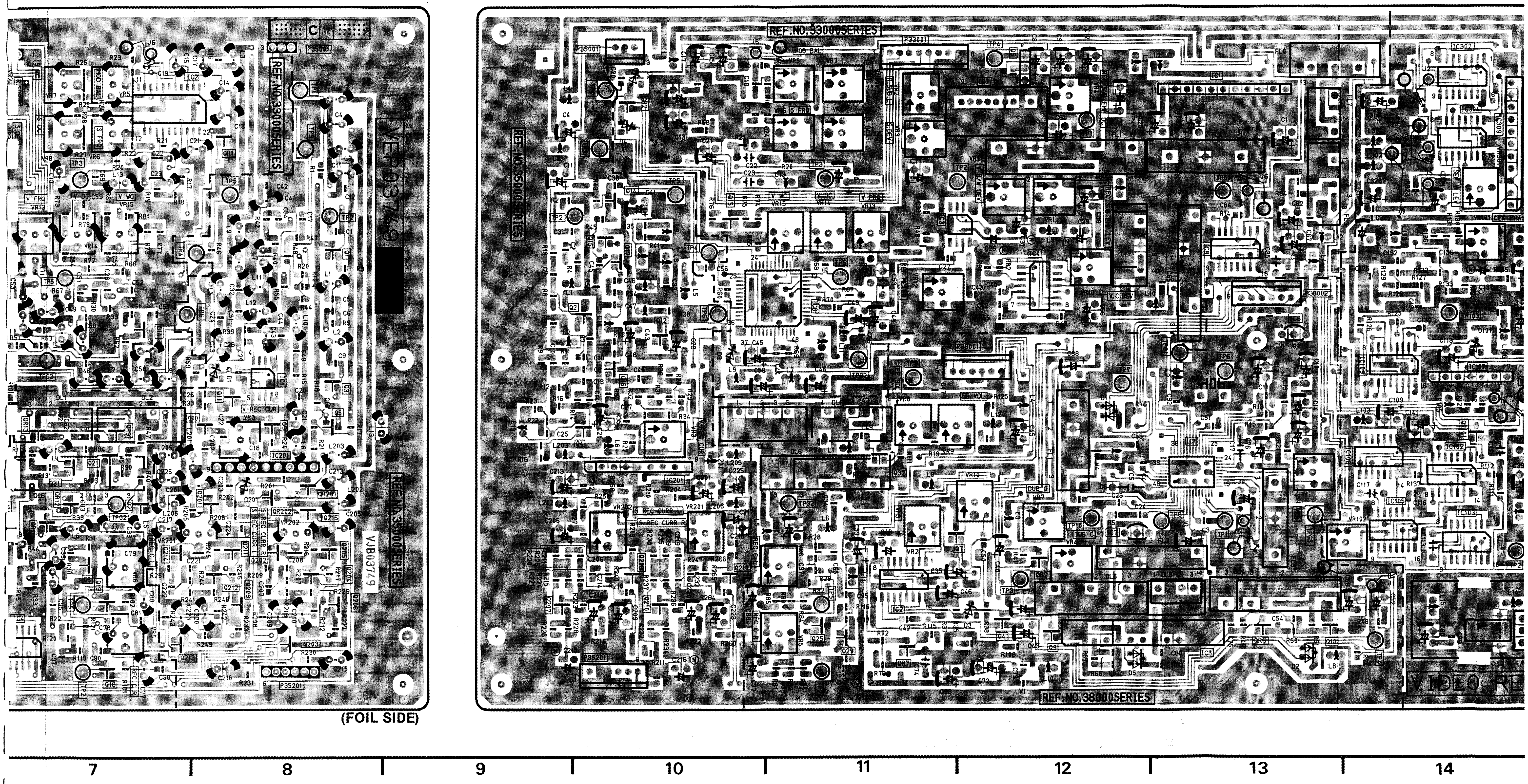
ADDRESS INFORMATION

34P C.B.A.	
Transistors	
Q69001	B-8 Ⓕ
Q69002	B-7 Ⓕ
Transistor & Resistors	
QR69001	A-8 Ⓕ
QR69002	A-8 Ⓕ
QR69004	A-8 Ⓕ
QR69005	A-8 Ⓕ
QR69006	A-8 Ⓕ
QR69007	A-8 Ⓕ
QR69008	A-8 Ⓕ
QR69009	A-8 Ⓕ
QR69010	A-8 Ⓕ
Integrated Circuit	
IC69001	A-11 Ⓒ
Test Points	
TPG69001	B-9 Ⓕ
TPG69001	B-10 Ⓒ
Connectors	
P69001	B-8 Ⓕ
P69001	B-11 Ⓒ
P69002	B-8 Ⓕ
P69002	B-11 Ⓒ

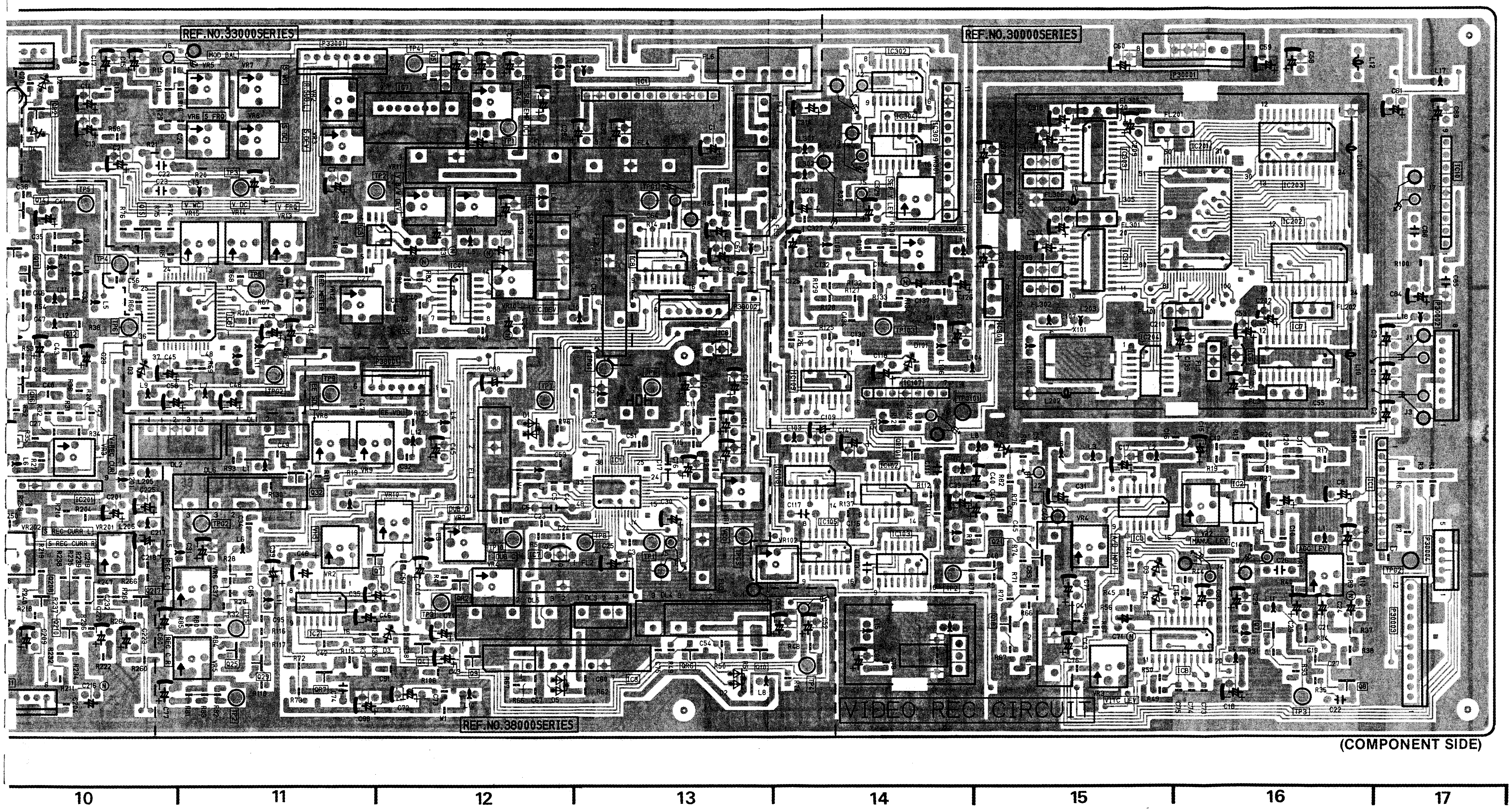
ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

VIDEO REC C.B.A. (VEP03749A: AG-7750 ONLY)


VIDEO REC C.B.A. (VEP03749A: AG-7750 ONLY)
VIDEO REC CIRCUIT
REF.NO.30000SERIES
REF.NO.38000SERIES
D
C
B
A
1
2
3
4
5
6
7


REF.NO.39000SERIES
VEP03749
REF.NO.35000SERIES
VJB03749
REF.NO.33000SERIES
REF.NO.35000SERIES
REF.NO.38000SERIES
VIDEO RE
7
8
9
10
11
12
13
14

(FOIL SIDE)


REF.NO.33000SERIES
REF.NO.30000SERIES
REF.NO.38000SERIES
VIDEO REC CIRCUIT
10
11
12
13
14
15
16
17

(COMPONENT SIDE)

VIDEO REC C.B.A.

Transistors	
Q30001	B-1 Ⓕ
Q30002	B-1 Ⓕ
Q30003	B-1 Ⓕ
Q30004	B-2 Ⓕ
Q30005	B-2 Ⓕ
Q30006	B-2 Ⓕ
Q30007	A-16 Ⓒ
Q30008	A-16 Ⓒ
Q30009	B-2 Ⓕ
Q30010	B-3 Ⓕ
Q30011	B-3 Ⓕ
Q30012	A-3 Ⓕ
Q30013	B-3 Ⓕ
Q30015	B-3 Ⓕ
Q30016	A-3 Ⓕ
Q30017	A-3 Ⓕ
Q30018	A-15 Ⓒ
Q30019	A-3 Ⓕ
Q30020	B-3 Ⓕ
Q30021	B-15 Ⓒ
Q30022	B-3 Ⓕ
Q30023	C-1 Ⓕ
Q30102	B-3 Ⓕ
Q30103	C-4 Ⓕ
Q30304	D-4 Ⓕ
Q30307	D-4 Ⓕ
Q30308	D-4 Ⓕ
Q30309	C-3 Ⓕ
Q33001	D-6 Ⓕ
Q33002	C-5 Ⓕ
Q33003	C-5 Ⓕ
Q33004	D-5 Ⓕ
Q33005	D-6 Ⓕ
Q33005	D-12 Ⓒ
Q33012	C-16 Ⓒ
Q33013	C-6 Ⓕ
Q33014	C-7 Ⓕ
Q33015	C-10 Ⓒ
Q35001	C-8 Ⓕ
Q35002	C-9 Ⓒ
Q35003	B-8 Ⓕ
Q35004	B-10 Ⓒ
Q35005	B-8 Ⓕ
Q35009	B-8 Ⓕ
Q35010	B-8 Ⓕ
Q35011	B-8 Ⓕ
Q35012	C-10 Ⓒ
Q35014	C-10 Ⓒ
Q35015	C-10 Ⓒ
Q35016	B-10 Ⓒ
Q35017	C-10 Ⓒ
Q35201	B-8 Ⓕ
Q35202	A-8 Ⓕ
Q35203	A-8 Ⓕ
Q35204	A-8 Ⓕ
Q35205	A-8 Ⓕ
Q35206	A-8 Ⓕ
Q35207	A-9 Ⓒ
Q35208	A-10 Ⓒ
Q35209	A-8 Ⓕ
Q35210	A-10 Ⓒ
Q35211	A-8 Ⓕ
Q35212	A-8 Ⓕ
Q35213	A-7 Ⓕ
Q35214	B-7 Ⓕ
Q35215	B-8 Ⓕ
Q35217	A-10 Ⓒ
Q38001	B-5 Ⓕ
Q38002	B-7 Ⓕ
Q38003	A-7 Ⓕ
Q38004	A-12 Ⓒ
Q38007	B-12 Ⓒ
Q38008	A-7 Ⓕ
Q38009	A-12 Ⓒ
Q38010	A-13 Ⓒ
Q38011	A-5 Ⓕ
Q38015	A-6 Ⓕ
Q38016	B-5 Ⓕ
Q38017	B-5 Ⓕ
Q38018	A-7 Ⓕ
Q38019	A-7 Ⓕ
Q38020	B-6 Ⓕ
Q38021	B-7 Ⓕ
Q38022	A-6 Ⓕ
Q38023	A-6 Ⓕ
Q38024	B-6 Ⓕ
Q38025	A-11 Ⓒ
Q38026	B-6 Ⓕ
Q38027	B-6 Ⓕ
Q38028	B-6 Ⓕ
Q38029	A-11 Ⓒ
Q38030	B-6 Ⓕ
Q38031	B-7 Ⓕ
Q38032	B-11 Ⓒ

Transistor & Resistors	
QR30001	B-1 Ⓕ
QR30002	B-1 Ⓕ
QR30003	B-1 Ⓕ
QR30101	B-14 Ⓒ
QR33001	D-8 Ⓕ
QR33002	D-10 Ⓒ
QR33004	D-5 Ⓕ
QR35201	B-8 Ⓕ
QR35202	B-8 Ⓕ
QR38001	B-7 Ⓕ
QR38002	B-12 Ⓒ
QR38003	A-6 Ⓕ
QR38004	A-6 Ⓕ
QR38005	A-6 Ⓕ
QR38006	A-13 Ⓒ
QR38007	A-11 Ⓒ
QR38008	B-6 Ⓕ
QR38009	B-7 Ⓕ
QR38010	B-7 Ⓕ
QR38011	B-5 Ⓕ
QR38012	B-7 Ⓕ
QR38013	B-7 Ⓕ

Integrated Circuits	
IC30001	B-1 Ⓕ
IC30001	B-16 Ⓒ
IC30002	B-16 Ⓒ
IC30003	B-15 Ⓒ
IC30004	A-1 Ⓕ
IC30005	B-3 Ⓕ
IC30006	C-2 Ⓕ
IC30006	C-16 Ⓒ
IC30007	C-16 Ⓒ
IC30008	A-16 Ⓒ
IC30009	A-4 Ⓕ
IC30010	C-1 Ⓕ
IC30010	D-17 Ⓒ
IC30102	B-14 Ⓒ
IC30103	B-14 Ⓒ
IC30104	B-4 Ⓕ
IC30105	B-14 Ⓒ
IC30106	B-14 Ⓒ
IC30107	B-3 Ⓕ
IC30107	B-14 Ⓒ
IC30108	C-4 Ⓕ
IC30109	B-14 Ⓒ
IC30110	C-4 Ⓕ
IC30111	C-4 Ⓕ
IC30201	D-16 Ⓒ
IC30202	C-16 Ⓒ
IC30203	D-16 Ⓒ
IC30204	C-15 Ⓒ
IC30301	C-15 Ⓒ
IC30302	D-14 Ⓒ
IC30303	D-15 Ⓒ
IC30304	D-14 Ⓒ
IC30307	C-3 Ⓕ
IC30307	C-15 Ⓒ
IC30308	C-3 Ⓕ
IC30308	C-15 Ⓒ
IC30309	D-3 Ⓕ
IC30309	D-14 Ⓒ
IC33001	D-5 Ⓕ
IC33001	D-13 Ⓒ
IC33002	D-8 Ⓕ
IC33003	C-11 Ⓒ
IC33004	C-12 Ⓒ
IC33005	C-6 Ⓕ
IC33006	C-11 Ⓒ
IC33007	D-6 Ⓕ
IC33007	D-12 Ⓒ
IC33008	C-13 Ⓒ
IC35001	B-8 Ⓕ
IC35201	B-8 Ⓕ
IC35201	B-10 Ⓒ
IC38001	B-13 Ⓒ
IC38002	A-11 Ⓒ
IC38003	A-5 Ⓕ
IC38003	A-13 Ⓒ
IC38004	A-7 Ⓕ
IC38007	B-5 Ⓕ
IC38007	B-12 Ⓒ
IC38008	C-4 Ⓕ
IC38008	C-13 Ⓒ

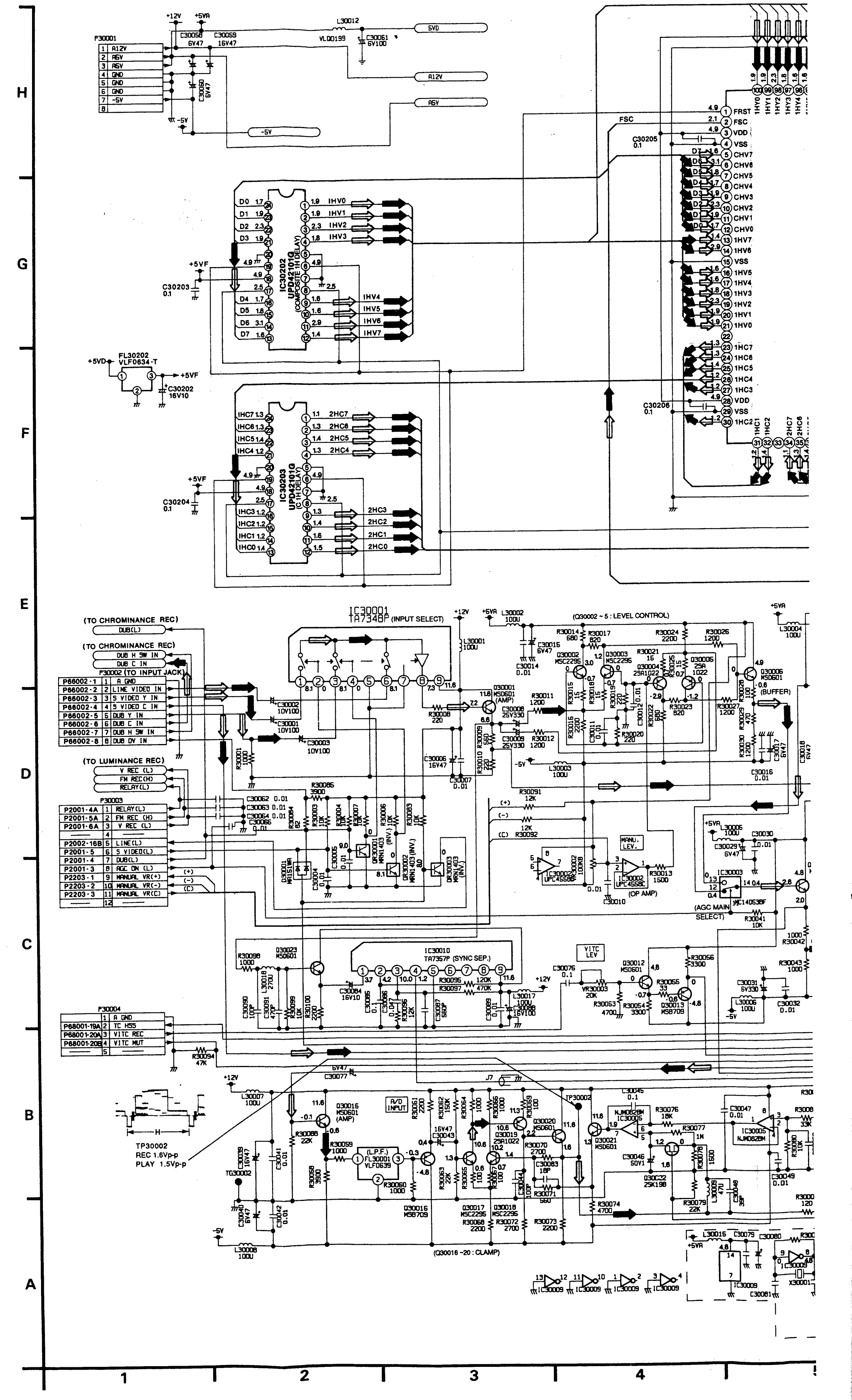
Test Points	
TP30002	A-3 Ⓕ
TP30002	A-14 Ⓒ
TP30003	A-2 Ⓕ
TP30003	A-16 Ⓒ
TP30103	C-4 Ⓕ
TP30103	C-14 Ⓒ
TP33001	D-6 Ⓕ
TP33001	D-12 Ⓒ
TP33002	D-6 Ⓕ
TP33002	D-12 Ⓒ
TP33003	D-7 Ⓕ
TP33003	D-11 Ⓒ
TP33004	D-6 Ⓕ
TP33004	D-12 Ⓒ
TP33005	C-7 Ⓕ
TP33005	C-11 Ⓒ
TP35001	D-8 Ⓕ
TP35001	D-10 Ⓒ
TP35002	C-8 Ⓕ
TP35002	C-9 Ⓒ
TP35003	D-8 Ⓕ
TP35003	D-10 Ⓒ
TP35004	C-7 Ⓕ
TP35004	C-10 Ⓒ
TP35005	D-8 Ⓕ
TP35005	C-10 Ⓒ
TP35006	C-8 Ⓕ
TP35006	C-10 Ⓒ
TP38001	B-5 Ⓕ
TP38001	B-13 Ⓒ
TP38002	A-7 Ⓕ
TP38002	A-11 Ⓒ
TP38003	A-6 Ⓕ
TP38003	A-12 Ⓒ
TP38004	A-4 Ⓕ
TP38004	A-14 Ⓒ
TP38005	A-7 Ⓕ
TP38005	A-11 Ⓒ
TP38006	B-5 Ⓕ
TP38006	B-13 Ⓒ
TP38007	B-5 Ⓕ
TP38007	B-12 Ⓒ
TP38008	B-5 Ⓕ
TP38008	B-13 Ⓒ
TP38009	B-6 Ⓕ
TP38009	C-11 Ⓒ
TP38010	B-6 Ⓕ
TP38010	B-12 Ⓒ
TPG30002	B-1 Ⓕ
TPG30002	B-17 Ⓒ
TPG30101	B-3 Ⓕ
TPG30101	B-14 Ⓒ
TPG33001	C-5 Ⓕ
TPG33001	C-13 Ⓒ
TPG33002	B-7 Ⓕ
TPG33002	B-11 Ⓒ
TPG38001	B-5 Ⓕ
TPG38001	C-13 Ⓒ
TPG38002	B-7 Ⓕ
TPG38002	B-11 Ⓒ
TPG38003	B-4 Ⓕ
TPG38003	B-13 Ⓒ

Adjustments	
VR30001	B-2 Ⓕ
VR30001	B-16 Ⓒ
VR30002	B-2 Ⓕ
VR30002	B-16 Ⓒ
VR30003	A-3 Ⓕ
VR30003	A-15 Ⓒ
VR30004	B-3 Ⓕ
VR30004	B-15 Ⓒ
VR30101	C-4 Ⓕ
VR30101	C-14 Ⓒ
VR30102	B-4 Ⓕ
VR30102	B-14 Ⓒ
VR30301	D-3 Ⓕ
VR30301	D-14 Ⓒ
VR33001	C-6 Ⓕ
VR33001	C-12 Ⓒ
VR33002	D-7 Ⓕ
VR33002	D-11 Ⓒ
VR33003	D-7 Ⓕ
VR33003	D-11 Ⓒ
VR33004	D-6 Ⓕ
VR33004	D-12 Ⓒ
VR33005	D-7 Ⓕ
VR33005	D-11 Ⓒ
VR33006	D-7 Ⓕ
VR33006	D-11 Ⓒ
VR33007	D-7 Ⓕ
VR33007	D-11 Ⓒ
VR33008	D-7 Ⓕ
VR33008	D-11 Ⓒ
VR33010	C-5 Ⓕ
VR33010	C-12 Ⓒ
VR33011	C-6 Ⓕ
VR33011	C-12 Ⓒ
VR33012	C-6 Ⓕ
VR33012	C-11 Ⓒ
VR33013	C-7 Ⓕ
VR33013	C-11 Ⓒ
VR33014	C-7 Ⓕ
VR33014	C-11 Ⓒ
VR33015	C-7 Ⓕ
VR33015	C-11 Ⓒ
VR35003	B-8 Ⓕ
VR35003	B-10 Ⓒ
VR35201	B-7 Ⓕ
VR35201	B-10 Ⓒ
VR35202	B-8 Ⓕ
VR35202	B-10 Ⓒ
VR38001	B-4 Ⓕ
VR38001	B-13 Ⓒ
VR38002	B-6 Ⓕ
VR38002	B-11 Ⓒ
VR38004	A-6 Ⓕ
VR38004	B-12 Ⓒ
VR38005	A-7 Ⓕ
VR38005	A-11 Ⓒ
VR38006	A-7 Ⓕ
VR38006	B-11 Ⓒ
VR38007	B-6 Ⓕ
VR38007	B-12 Ⓒ
VR38008	B-6 Ⓕ
VR38008	B-11 Ⓒ
VR38009	B-6 Ⓕ
VR38009	B-11 Ⓒ
VR38010	B-6 Ⓕ
VR38010	B-12 Ⓒ

Connectors	
P30001	D-2 Ⓕ
P30001	D-16 Ⓒ
P30002	B-1 Ⓕ
P30002	C-17 Ⓒ
P30003	A-1 Ⓕ
P30003	A-17 Ⓒ
P30004	B-1 Ⓕ
P30004	B-17 Ⓒ
P33001	D-6 Ⓕ
P33001	D-11 Ⓒ
P35001	D-8 Ⓕ
P35001	D-10 Ⓒ
P35201	A-8 Ⓕ
P35201	A-10 Ⓒ
P38001	C-6 Ⓕ
P38001	C-12 Ⓒ
P38002	C-5 Ⓕ
P38002	C-13 Ⓒ

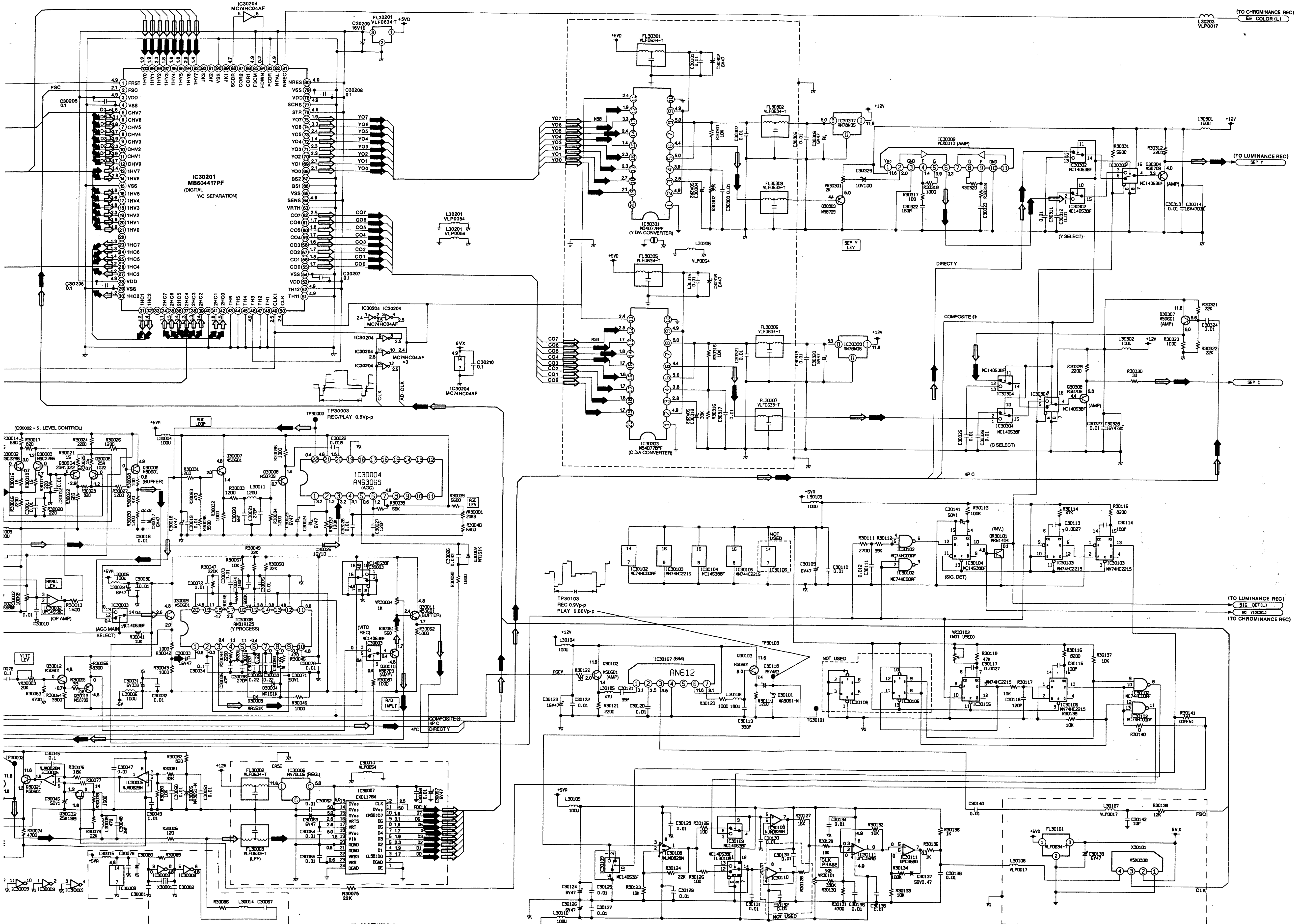
ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

REC Y/C PROCESS SCHEMATIC DIAGRAM (AG-7750 C


H
G
F
E
D
C
B
A
1
2
3
4
P30001
L30012
5VD
R12V
R5V
-5V
FSC
C30205
IC30202 UPD42101C
IC30203 UPD42101C
FL30202 VLF0634-T
+5VF
IHV0
IHV1
IHV2
IHV3
IHV4
IHV5
IHV6
IHV7
2HC7
2HC6
2HC5
2HC4
2HC3
2HC2
2HC1
2HC0
FRST
VDD
VSS
(TO CHROMINANCE REC)
(TO LUMINANCE REC)
IC30001 TA7348P (INPUT SELECT)
(Q30002 - 5 : LEVEL CONTROL)
(BUFFER)
(AMP)
(OP AMP)
(AGC MAIN SELECT)
IC30010 TA7357P (SYNC SEP.)
P30002 (TO INPUT JACK)
P30003
P30004
TP30002
REC 1.6Vp-p
PLAY 1.5Vp-p
(L.P.F.) FL30001 VLF0639
(Q30016 -20 : CLAMP)
A/D INPUT
MANU. LEV.
VITC LEV
IC30009

GRAM (AG-7750 ONLY)

MAIN SIGNAL PATH IN REC MODE (S-VHS)   MAIN SIGNAL PATH IN REC MODE (VHS)



IC30201
MB604417PF
(DIGITAL Y/C SEPARATION)
IC30204 MC74HC04AF
FL30201 VLF0634-T
+5VD
FSC
IC30301 MB40778PF (Y D/A CONVERTER)
IC30303 MB40778PF (C D/A CONVERTER)
FL30301 VLF0634-T
FL30302 VLF0634-T
FL30303 VLF0633-T
FL30305 VLF0634-T
FL30306 VLF0634-T
FL30307 VLF0633-T
IC30307 AN78M05
IC30308 AN78M05
IC30309 VCR0313 (AMP)
IC30302 MC14053BF
(Y SELECT)
(C SELECT)
IC30304 MC14053BF
Q30304 M58709 (AMP)
Q30308 M58709 (AMP)
Q30307 M50601 (AMP)
(TO CHROMINANCE REC)
EE COLOR (L)
(TO LUMINANCE REC)
SEP Y
SEP C
SEP Y LEV
DIRECT Y
COMPOSITE (R)
4P C
(Q30002~5 : LEVEL CONTROL)
IC30004 AN63065 (AGC)
IC30008 AN51R125 (Y PROCESS)
IC30003 MC14053BF
AGC LOOP
AGC LEV
TP30003 REC/PLAY 0.8Vp-p
MANU. LEV.
(OP AMP)
(AGC MAIN SELECT)
VITC LEV
(VITC REC)
A/D INPUT
COMPOSITE(R)
4P C
DIRECTY
IC30007 CXD1176M
FL30002 VLF0634-T
FL30003 VLF0633-T (LPF)
IC30006 AN78L05 (REG.)
IC30102 MC74HC00AF
IC30103 MN74HC221S
IC30104 MC14538F
IC30105 MN74HC221S
IC30106
NOT USED
(SIG. DET)
(INV.)
TP30103 REC 0.9Vp-p PLAY 0.86Vp-p
(TO LUMINANCE REC)
SIG DET(L)
NO VIDEO(L)
(TO CHROMINANCE REC)
IC30107 (BM) AN612
Q30102 M50601 (AMP)
Q30103 M50601
D30101 MA3051-M
TG30101
IC30108 NJM0528M
IC30109 MC14053BF
IC30110
IC30111 UPC358G
CLK PHASE
VR30101
FL30101 VLF0634-T
X30101 VSX0338
5VX
FSC
CLK

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE
SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★ パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

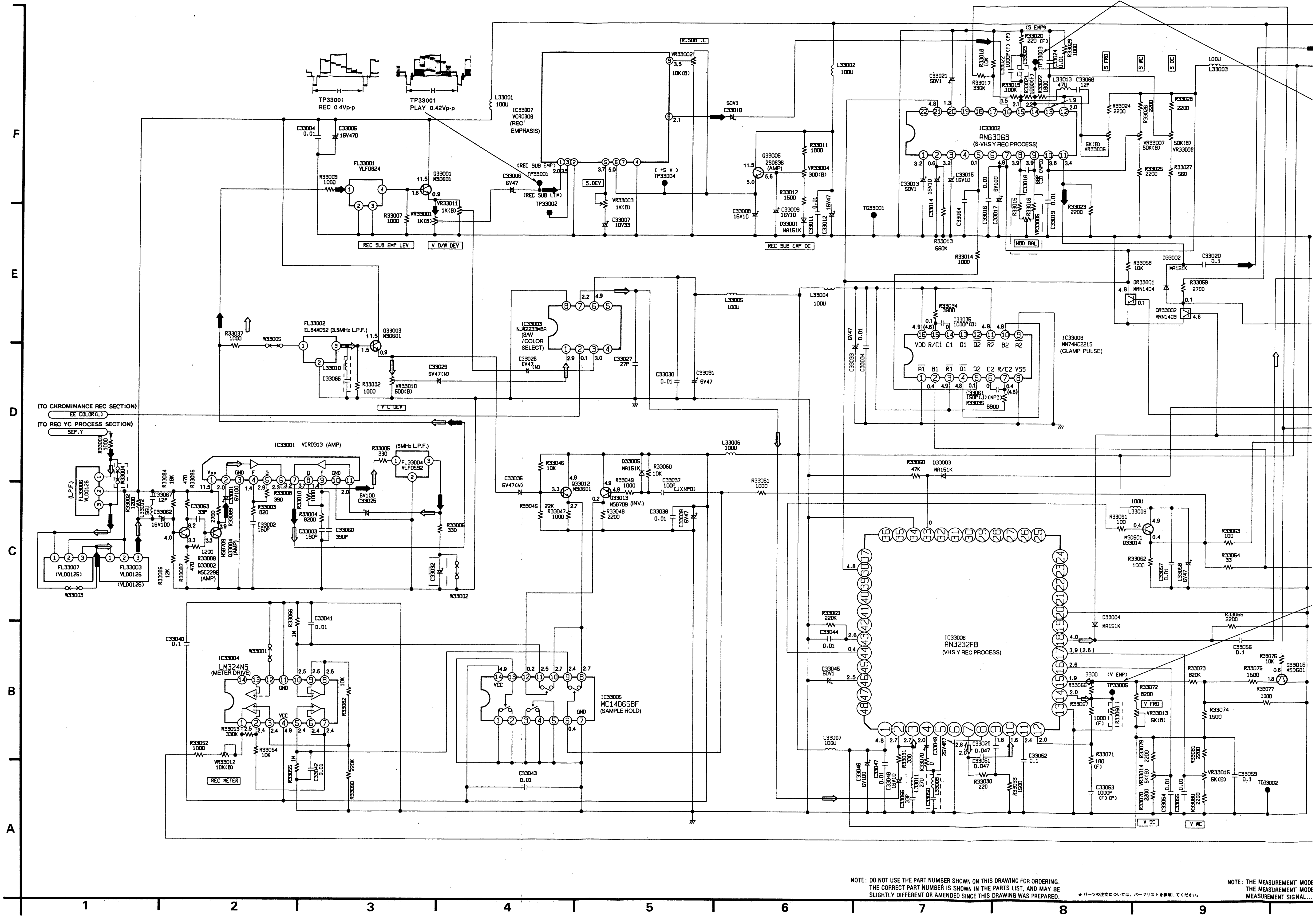
注意：DC電圧の測定値は、録画は（ ）付
停止は（ ）なし
録画停止共通は（ ）なしで示してあります。

4 5 6 7 8 9 10 11 12 13 14

LUMINANCE REC SCHEMATIC DIAGRAM (AG-7750 ONLY)

MAIN SIGNAL PATH IN REC MODE (S-VHS)

MAIN SIGNAL PATH IN REC MODE (V



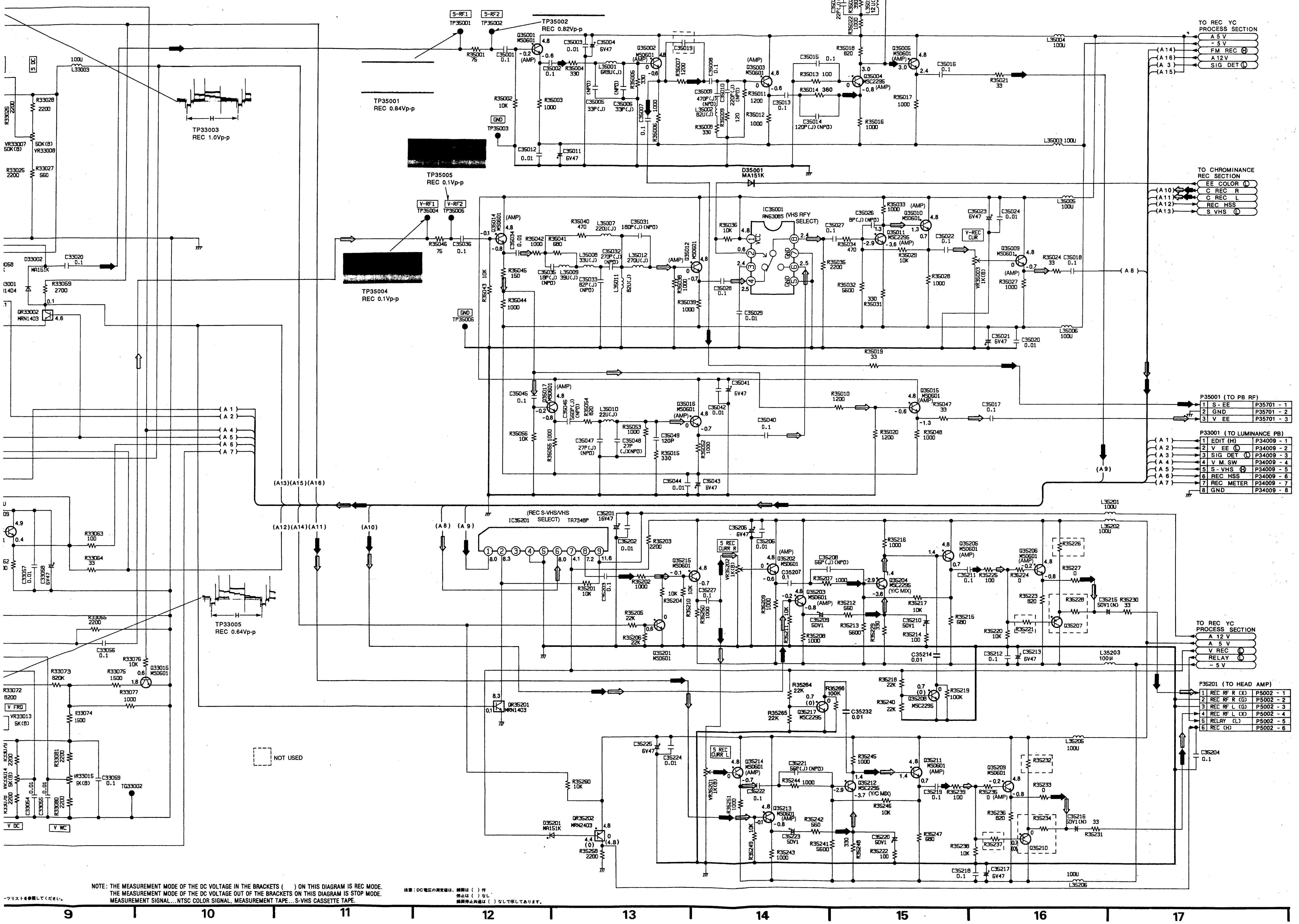
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
TP33001 REC 0.4Vp-p
TP33001 PLAY 0.42Vp-p
IC33007 VCR0308 (REC EMPHASIS)
IC33002 AN63065 (S-VHS Y REC PROCESS)
IC33003 NJM2233MBA (B/W /COLOR SELECT)
IC33008 MN74HC221S (CLAMP PULSE)
IC33001 VCR0313 (AMP)
IC33004 LM324N5 (METER DRIVE)
IC33005 MC14066BF (SAMPLE HOLD)
IC33006 AN3232FB (VHS Y REC PROCESS)
FL33001 VLF0824
FL33002 EL84N052 (3.5MHz L.P.F.)
FL33004 VLF0592 (5MHz L.P.F.)
FL33006 VLD0126 (L.P.F.)
FL33007 (VLD0125)
FL33003 VLD0126 (VLD0125)
(TO CHROMINANCE REC SECTION)
EE COLOR(L)
(TO REC YC PROCESS SECTION)
SEP.Y
REC SUB EMP LEV
V B/W DEV
REC SUB EMP DC
MOD BAL
Y C DEV
REC METER
R.SUB .L
S.DEV
S EMP
S FRQ
S WC
S DC
V FRQ
V DC
V WC
V EMP
TP33002
TP33004
TP33005
TG33001
TG33002

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE
THE MEASUREMENT MODE
MEASUREMENT SIGNAL...

REC MODE (V



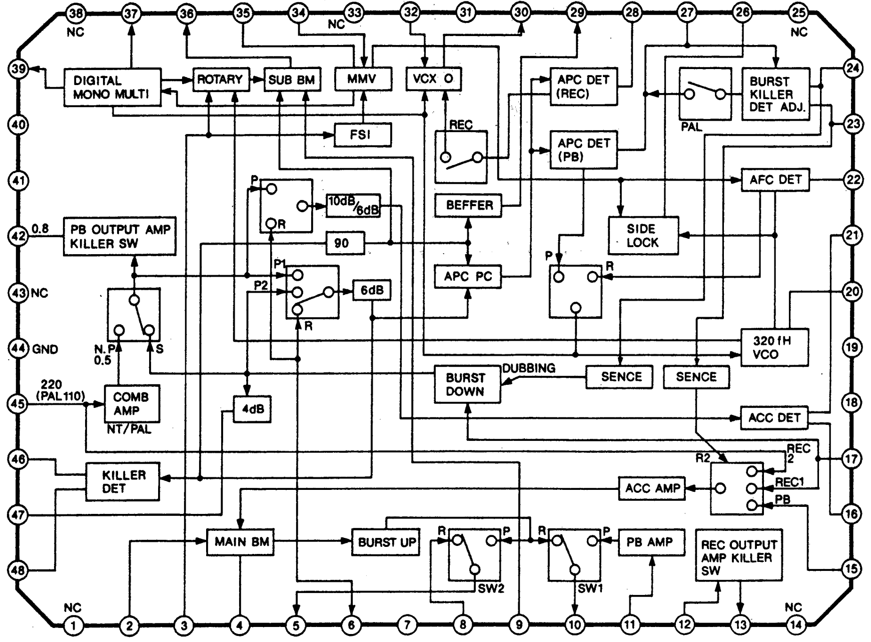
S-RF1
TP35001
S-RF2
TP35002
TP35002 REC 0.82Vp-p
TP35001 REC 0.84Vp-p
TP33003 REC 1.0Vp-p
TP35005 REC 0.1Vp-p
V-RF1 TP35004
V-RF2 TP35006
TP35004 REC 0.1Vp-p
TP33005 REC 0.64Vp-p
GND TP35003
GND TP35006
IC35001 AN6308S (VHS RF/Y SELECT)
IC35201 TA7348P (REC S-VHS/VHS SELECT)
Q35001 MSD601 (AMP)
Q35002 MSD601 (AMP)
Q35003 MSD601 (AMP)
Q35004 MSC2295 (AMP)
Q35005 MSD601 (AMP)
Q35009 MSD601 (AMP)
Q35010 MSD601
Q35011 MSC2295 (AMP)
Q35012 MSD601 (AMP)
Q35014 MSD601 (AMP)
Q35015 MSD601 (AMP)
Q35016 MSD601 (AMP)
Q35017 MSD601 (AMP)
Q35201 MSD601
Q35202 MSD601 (AMP)
Q35203 MSD601 (AMP)
Q35204 MSC2295 (Y/C MIX)
Q35205 MSD601 (AMP)
Q35206 MSD601 (AMP)
Q35207
Q35208 MSC2295
Q35209 MSD601 (AMP)
Q35210
Q35211 MSD601 (AMP)
Q35212 MSC2295 (Y/C MIX)
Q35213 MSD601 (AMP)
Q35214 MSD601 (AMP)
Q35215 MSD601
Q35217 MSC2295
Q33015 MSD601
QR33002 MRN1403
QR35201 MRN1403
QR35202 MRN2403
D33002 MA151K
D35001 MA151K
D35201 MA151K
VR35003 1K(B)
V-REC CUR
VR35201 1K(B)
S REC CURR R
VR35251 1K(B)
S REC CURR L
VR33007 50K(B)
VR33008 50K(B)
VR33013 5K(B)
VR33015 5K(B)
TG33002
V FRQ
V DC
V WC
NOT USED
TO REC YC PROCESS SECTION
(A14) FM REC Ⓗ
(A16) A 12 V
(A3) SIG DET Ⓛ
(A15)
A 5 V
- 5 V
TO CHROMINANCE REC SECTION
(A10) EE COLOR Ⓛ
(A11) C REC R
(A12) C REC L
(A13) REC HSS
S VHS Ⓛ
(A8)
(A9)
(A1) (A2) (A4) (A5) (A6) (A7)
(A13)(A15)(A16)
(A12)(A14)(A11)
(A10)
P35001 (TO PB RF)
1 S-EE P35701 - 1
2 GND P35701 - 2
3 V EE P35701 - 3
P33001 (TO LUMINANCE PB)
1 EDIT (H) P34009 - 1
2 V EE Ⓛ P34009 - 2
3 SIG DET Ⓛ P34009 - 3
4 V M.SW P34009 - 4
5 S-VHS Ⓗ P34009 - 5
6 REC HSS P34009 - 6
7 REC METER P34009 - 7
8 GND P34009 - 8
TO REC YC PROCESS SECTION
A 12 V
A 5 V
V REC Ⓛ
RELAY Ⓛ
- 5 V
P35201 (TO HEAD AMP)
1 REC RF R (X) P5002 - 1
2 REC RF R (G) P5002 - 2
3 REC RF L (G) P5002 - 3
4 REC RF L (X) P5002 - 4
5 RELAY (L) P5002 - 5
6 REC (H) P5002 - 6
9
10
11
12
13
14
15
16
17

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

注意：DC電圧の測定値は、録画は（ ）付
停止は（ ）なし
録画停止共通は（ ）なしで示してあります。

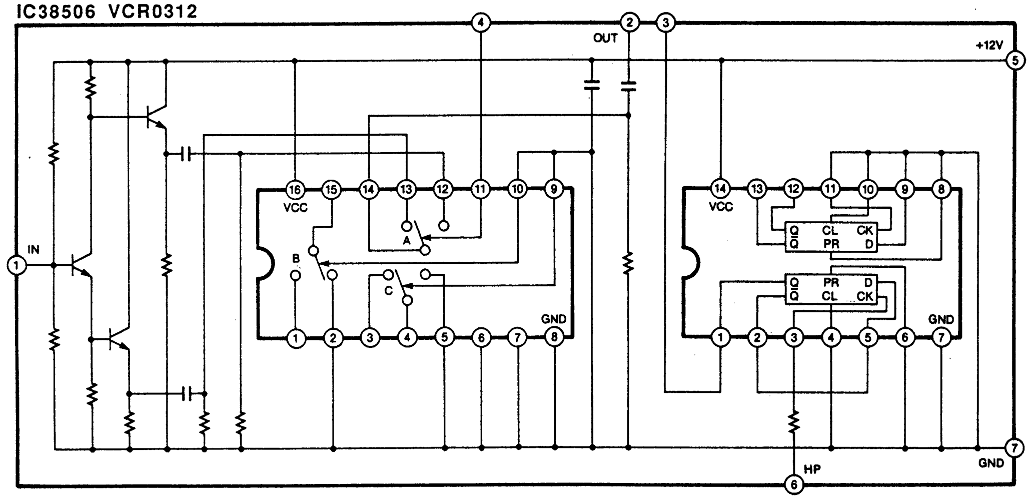
CHROMINANCE REC SCHEMATIC DIAGRAM (AG-7750 ONLY)

IC38001
IC38501
M52057FP

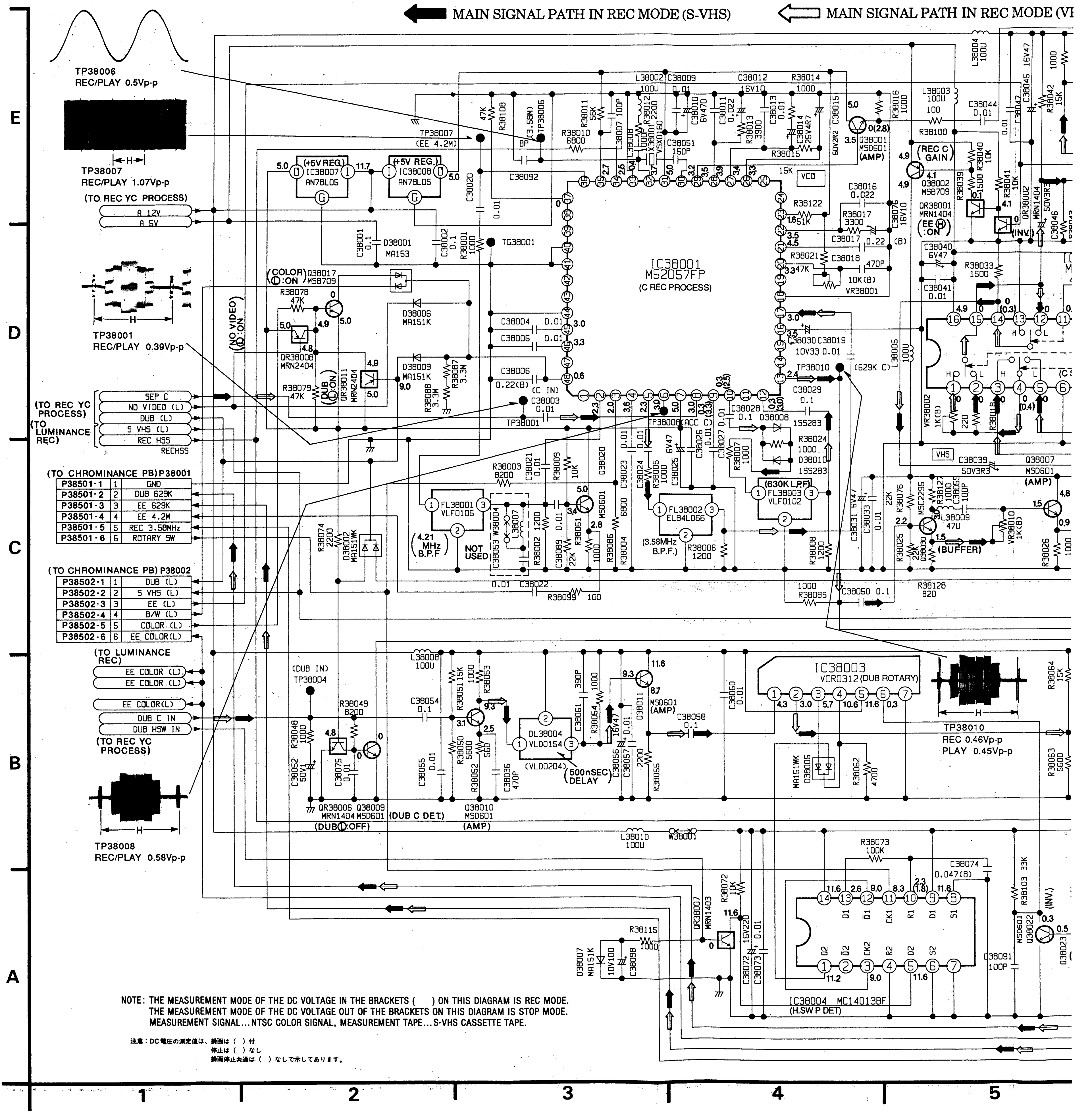


DIGITAL MONO MULTI
ROTARY
SUB BM
MMV
VCX O
APC DET (REC)
BURST KILLER DET ADJ.
FSI
REC
PAL
APC DET (PB)
AFC DET
BEFFER
10dB
6dB
90
PB OUTPUT AMP KILLER SW
APC PC
SIDE LOCK
6dB
320 f H VCO
COMB AMP
NT/PAL
4dB
BURST DOWN
DUBBING
SENCE
SENCE
ACC DET
KILLER DET
ACC AMP
REC2
REC1
PB
MAIN BM
BURST UP
SW2
SW1
PB AMP
REC OUTPUT AMP KILLER SW
NC
0.8
GND
220 (PAL110)

IC38003 VCR0312
IC38506 VCR0312



OUT
+12V
IN
VCC
GND
HP



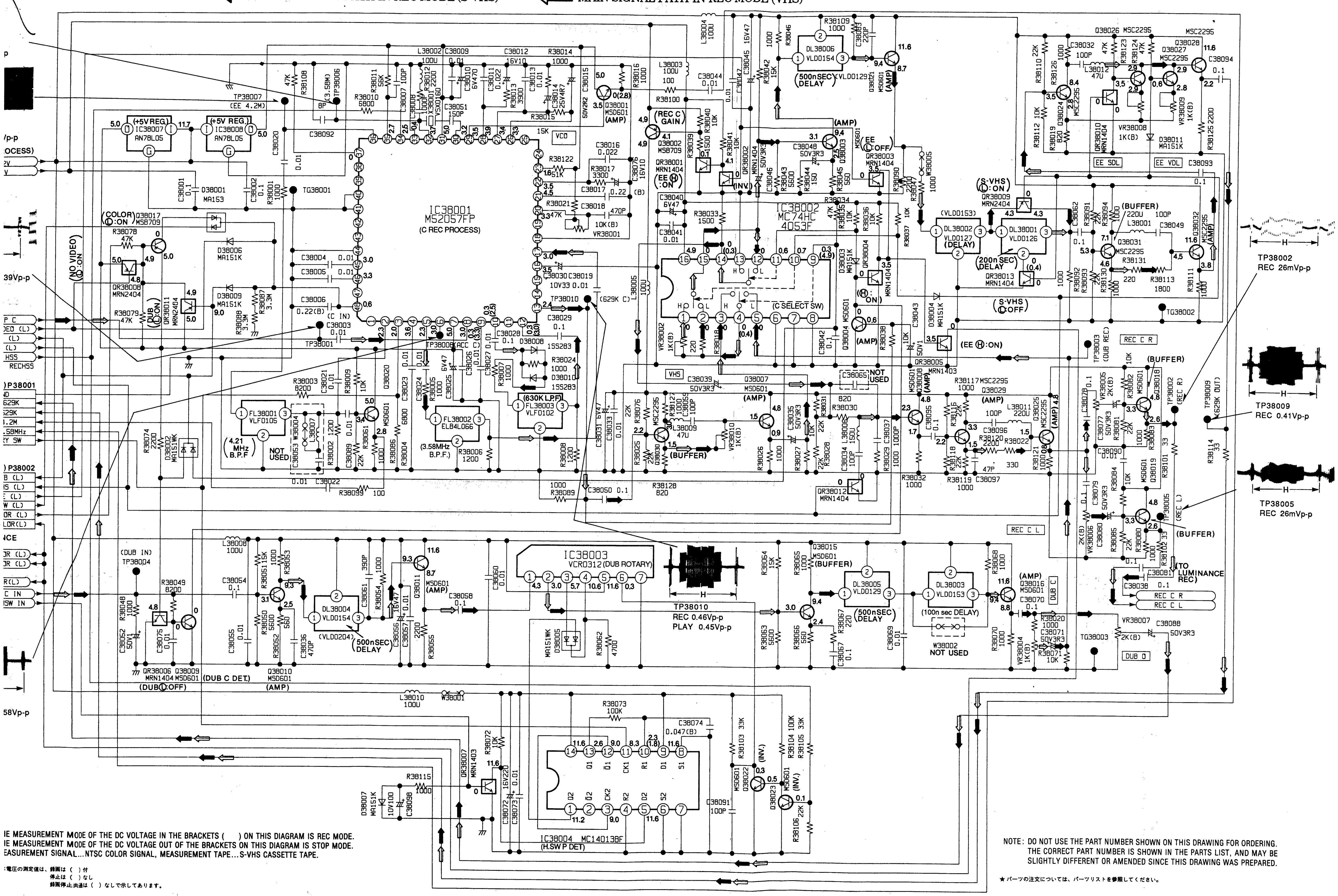
MAIN SIGNAL PATH IN REC MODE (S-VHS)
MAIN SIGNAL PATH IN REC MODE (VH
TP38006
REC/PLAY 0.5Vp-p
TP38007
REC/PLAY 1.07Vp-p
(TO REC YC PROCESS)
A 12V
A 5V
TP38001
REC/PLAY 0.39Vp-p
(TO REC YC PROCESS)
(TO LUMINANCE REC)
SEP C
NO VIDEO (L)
DUB (L)
S VHS (L)
REC HSS
RECHSS
(TO CHROMINANCE PB) P38001
P38501-1 1 GND
P38501-2 2 DUB 629K
P38501-3 3 EE 629K
P38501-4 4 EE 4.2M
P38501-5 5 REC 3.58MHz
P38501-6 6 ROTARY SW
(TO CHROMINANCE PB) P38002
P38502-1 1 DUB (L)
P38502-2 2 S VHS (L)
P38502-3 3 EE (L)
P38502-4 4 B/W (L)
P38502-5 5 COLOR (L)
P38502-6 6 EE COLOR(L)
(TO LUMINANCE REC)
EE COLOR (L)
EE COLOR (L)
EE COLOR(L)
DUB C IN
DUB HSW IN
(TO REC YC PROCESS)
TP38008
REC/PLAY 0.58Vp-p
IC38007 AN78L05 (+5V REG.)
IC38008 AN78L05 (+5V REG.)
IC38001 M52057FP (C REC PROCESS)
VCO
TG38001
(COLOR) ①:ON Q38017 MSB709
(NO VIDEO) ①:ON
(DUB) ①:ON
QR38008 MRN2404
QR38011 MRN2404
FL38001 VLF0105
(4.21 MHz B.P.F)
NOT USED
FL38002 ELB4L066
(3.58MHz B.P.F.)
FL38003 VLF0102 (630K L.P.F)
Q38001 MSD601 (AMP)
Q38002 MSB709 (REC C GAIN)
QR38001 MRN1404 (EE ①:ON)
Q38007 MSD601 (AMP)
Q38009 (BUFFER)
(DUB IN) TP38004
QR38006 MRN1404 (DUB ①:OFF)
Q38009 MSD601 (DUB C DET.)
Q38010 MSD601 (AMP)
DL38004 VLD0154 (VLD0204) (500nSEC) DELAY
IC38003 VCR0312 (DUB ROTARY)
TP38010
REC 0.46Vp-p
PLAY 0.45Vp-p
IC38004 MC14013BF (H.SW P DET)
QR38007 MRN1403
(INV.)
E
D
C
B
A
1
2
3
4
5

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL…NTSC COLOR SIGNAL, MEASUREMENT TAPE…S-VHS CASSETTE TAPE.

注意：DC電圧の測定値は、録画は（ ）付
停止は（ ）なし
録画停止共通は（ ）なしで示してあります。

ƝCE REC SCHEMATIC DIAGRAM (AG-7750 ONLY)

◀ MAIN SIGNAL PATH IN REC MODE (S-VHS) ⇦ MAIN SIGNAL PATH IN REC MODE (VHS)


IC38001
M52057FP
(C REC PROCESS)
IC38002
MC74HC
4053F
(C SELECT SW)
IC38003
VCR0312 (DUB ROTARY)
IC38004 MC14013BF
(H.SW P DET)
IC38007 AN78L05 (+5V REG.)
IC38008 AN78L05 (+5V REG.)
FL38001 VLF0105 (4.21 MHz B.P.F)
FL38002 ELB4L066 (3.58MHz B.P.F.)
FL38003 VLF0102 (630K L.P.F)
DL38001 VLD0126
DL38002 VLD0127 (DELAY)
DL38003 VLD0153 (100n sec DELAY)
DL38004 VLD0154 (500nSEC) DELAY
DL38005 VLD0129 (500nSEC) DELAY
DL38006 VLD0154 (500nSEC) DELAY
(200nSEC) DELAY
TP38001
TP38002 REC 26mVp-p
TP38005 REC 26mVp-p
TP38007 (EE 4.2M)
TP38009 REC 0.41Vp-p
TP38010 REC 0.46Vp-p PLAY 0.45Vp-p
TP38004 (DUB IN)
TG38001
TG38002
TG38003
(REC C GAIN)
(EE Ⓛ:OFF)
(EE Ⓗ:ON)
(S-VHS) Ⓛ:ON
(S-VHS) Ⓛ:OFF
(COLOR) Ⓛ:ON
(NO VIDEO) Ⓛ:ON
(DUB) Ⓛ:ON
(DUB Ⓛ:OFF)
(DUB C DET.)
(AMP)
(BUFFER)
(INV.)
VCO
VHS
NOT USED
EE SDL
EE VDL
REC C R
REC C L
DUB C
DUB D
(TO LUMINANCE REC)
(REC R)
(REC L)
(629K OUT)
-H-
.39Vp-p
.58Vp-p
P38001
P38002
RECHSS
2
3
4
5
6
7
8

IE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS DIAGRAM IS REC MODE.
IE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
EASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

:電圧の測定値は、録画は（　）付
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録画停止共通は（　）なしで示してあります。

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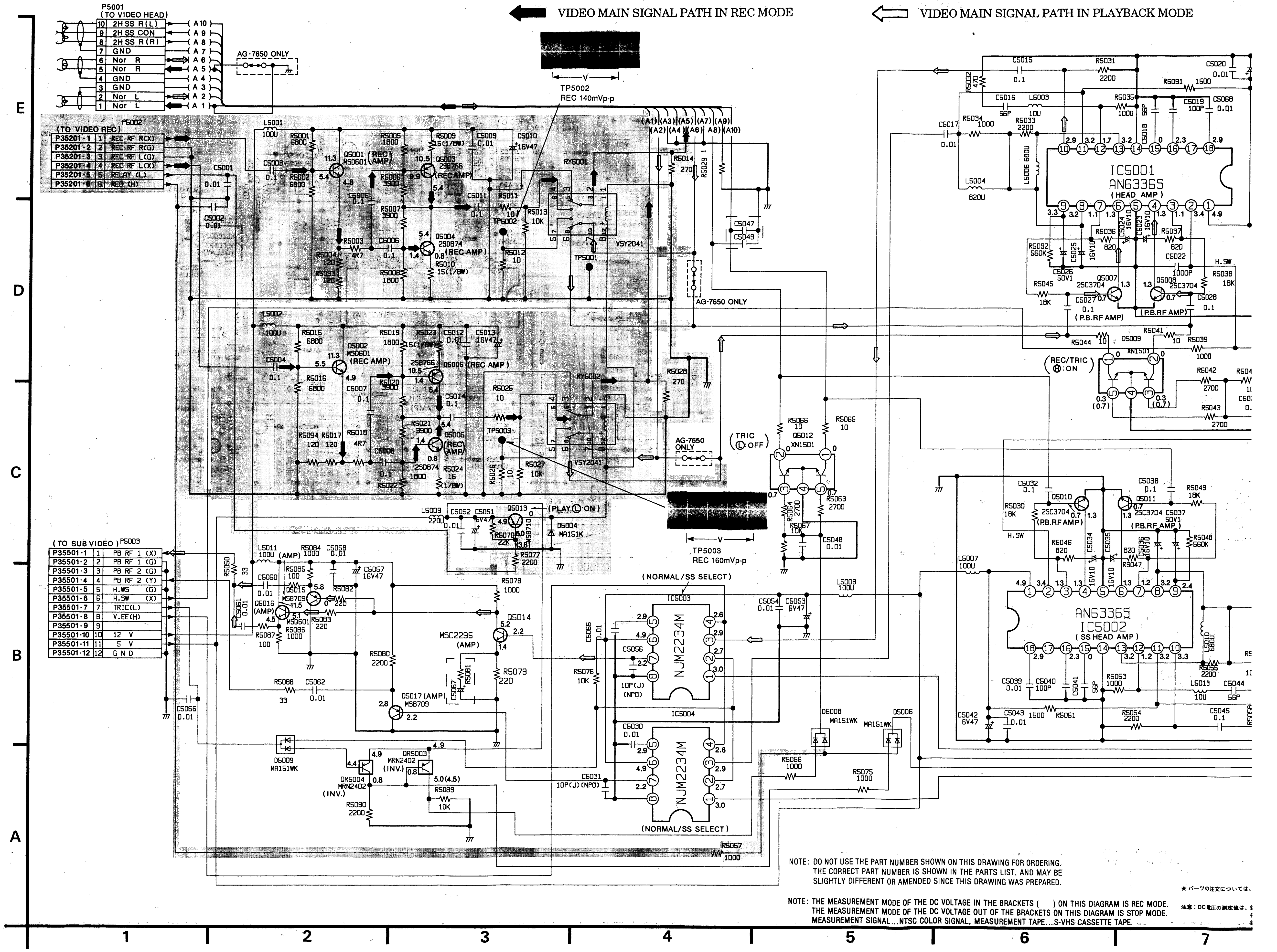
★ パーツの注文については、パーツリストを参照してください。

HEAD AMP SCHEMATIC DIAGRAM


VIDEO MAIN SIGNAL PATH IN REC MODE
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
P5001 (TO VIDEO HEAD)
10 2H SS R(L)
9 2H SS CON
8 2H SS R(R)
7 GND
6 Nor R
5 Nor R
4 GND
3 GND
2 Nor L
1 Nor L
AG-7650 ONLY
TP5002 REC 140mVp-p
P5002 (TO VIDEO REC)
P35201-1 1 REC RF R(X)
P35201-2 2 REC RF R(G)
P35201-3 3 REC RF L(G)
P35201-4 4 REC RF L(X)
P35201-5 5 RELAY (L)
P35201-6 6 REC (H)
Q5001 MSD601 (REC AMP)
Q5003 2SB766 (REC AMP)
Q5004 2SD874 (REC AMP)
RY5001 VSY2041
TP5001
Q5002 MSD601 (REC AMP)
Q5005 2SB766 (REC AMP)
Q5006 2SD874 (REC AMP)
RY5002 VSY2041
TP5003
Q5013 (PLAY Ⓛ:ON)
D5004 MA151K
TP5003 REC 160mVp-p
(TO SUB VIDEO) P5003
P35501-1 1 PB RF 1 (X)
P35501-2 2 PB RF 1 (G)
P35501-3 3 PB RF 2 (G)
P35501-4 4 PB RF 2 (Y)
P35501-5 5 H.WS (G)
P35501-6 6 H.SW (X)
P35501-7 7 TRIC(L)
P35501-8 8 V.EE(H)
P35501-9 9
P35501-10 10 12 V
P35501-11 11 5 V
P35501-12 12 GND
Q5015 MSB709
Q5016 MSD601 (AMP)
Q5014 MSC2295 (AMP)
Q5017 (AMP) MSB709
QR5004 MRN2402 (INV.)
QR5003 MRN2402 (INV.)
D5009 MA151WK
(NORMAL/SS SELECT)
IC5003 NJM2234M
IC5004 NJM2234M
(TRIC Ⓛ:OFF)
Q5012 XN1501
D5008 MA151WK
D5006 MA151WK
IC5001 AN6336S (HEAD AMP)
Q5007 2SC3704 (P.B.RF AMP)
Q5008 2SC3704 (P.B.RF AMP)
Q5009 XN1501
(REC/TRIC Ⓗ:ON)
H.SW
Q5010 2SC3704 (P.B.RF AMP)
Q5011 2SC3704 (P.B.RF AMP)
IC5002 AN6336S (SS HEAD AMP)
E
D
C
B
A
1
2
3
4
5
6
7

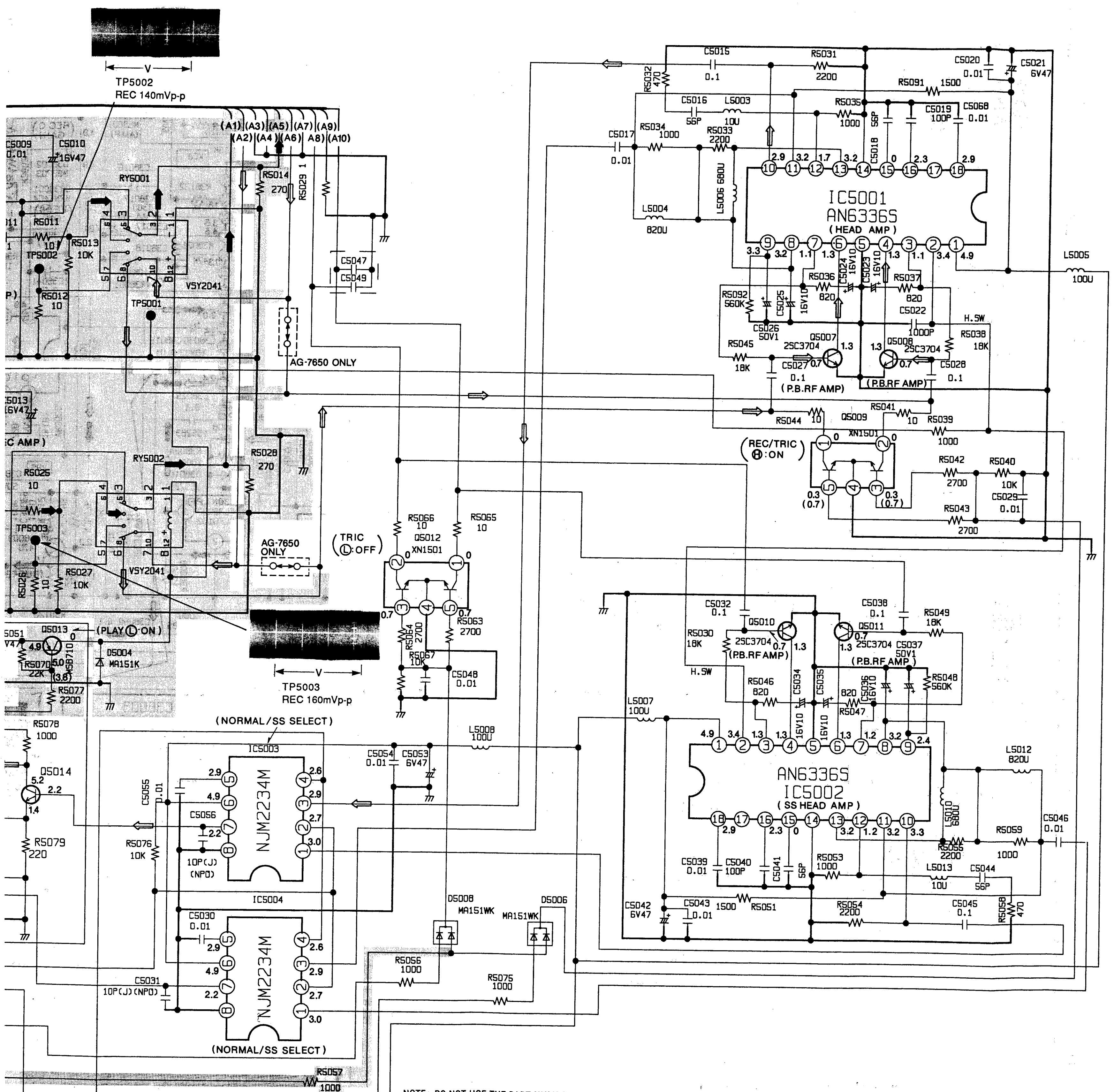
NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE
SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★パーツの注文については、

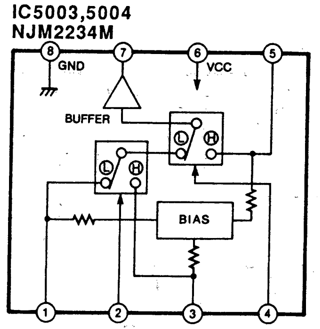
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

注意：DC電圧の測定値は、

⬅ VIDEO MAIN SIGNAL PATH IN REC MODE ⇦ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE


TP5002
REC 140mVp-p
V
TP5003
REC 160mVp-p
IC5001
AN6336S
(HEAD AMP)
IC5002
AN6336S
(SS HEAD AMP)
IC5003
IC5004
NJM2234M
(NORMAL/SS SELECT)
RY5001
RY5002
V5Y2041
AG-7650 ONLY
Q5007 2SC3704
Q5008 2SC3704
(P.B.RF AMP)
Q5009 XN1501
(REC/TRIC Ⓗ:ON)
Q5012 XN1501
(TRIC Ⓛ:OFF)
Q5010 2SC3704
Q5011 2SC3704
Q5013
(PLAY Ⓛ ON)
D5004 MA151K
Q5014
D5008 MA151WK
D5006 MA151WK
H.SW
L5004 820U
L5005 100U
L5006 680U
L5007 100U
L5008 100U
L5010 680U
L5012 820U
L5013 10U
R5031 2200
R5091 1500
R5035 1000
R5034 1000
R5033 2200
C5015 0.1
C5016 56P
C5017 0.01
C5019 100P
C5020 0.01
C5021 6V47
C5068 0.01
R5014 270
R5028 270
R5029 1
R5011 10
R5012 10
R5013 10K
R5025 10
R5026
R5027 10K
R5092 560K
R5045 18K
R5036 820
R5037 820
R5038 18K
C5022 1000P
C5026 50V1
C5027 0.1
C5028 0.1
R5044 10
R5041 10
R5039 1000
R5042 2700
R5040 10K
R5043 2700
C5029 0.01
R5066 10
R5065 10
R5064 2700
R5063 2700
R5067 10K
C5048 0.01
C5032 0.1
C5038 0.1
R5049 18K
R5030 18K
R5046 820
R5047 820
R5048 560K
C5037 50V1
C5034 16V10
C5035 16V10
C5036 16V10
C5039 0.01
C5040 100P
C5041
R5053 1000
R5051 1500
R5054 2200
R5055 2200
R5059 1000
C5044 56P
C5045 0.1
C5046 0.01
R5058 470
C5042 6V47
C5043 0.01
C5054 0.01
C5053 6V47
C5055 0.01
C5056 2.2
C5030 0.01
C5031 10P(J)(NPO)
R5076 10K
R5078 1000
R5079 220
R5077 2200
R5070 22K
R5056 1000
R5075 1000
R5057 1000
C5047
C5049
C5009 0.01
C5010 16V47
C5013 16V47
3
4
5
6
7

IC5003,5004
NJM2234M


GND
VCC
BUFFER
BIAS
Ⓛ
Ⓗ
1
2
3
4
5
6
7
8

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
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★パーツの注文については、パーツリストを参照してください。

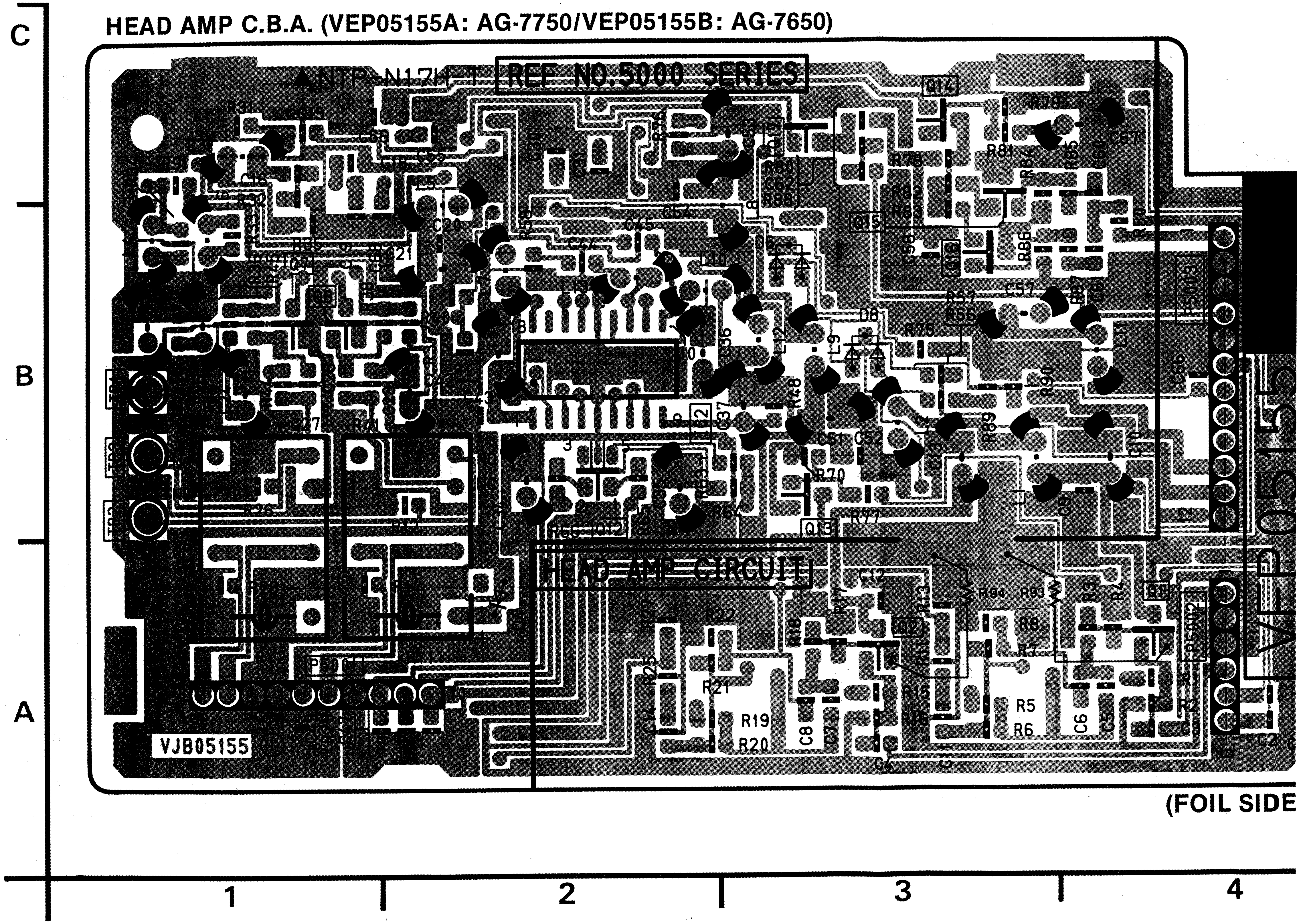
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

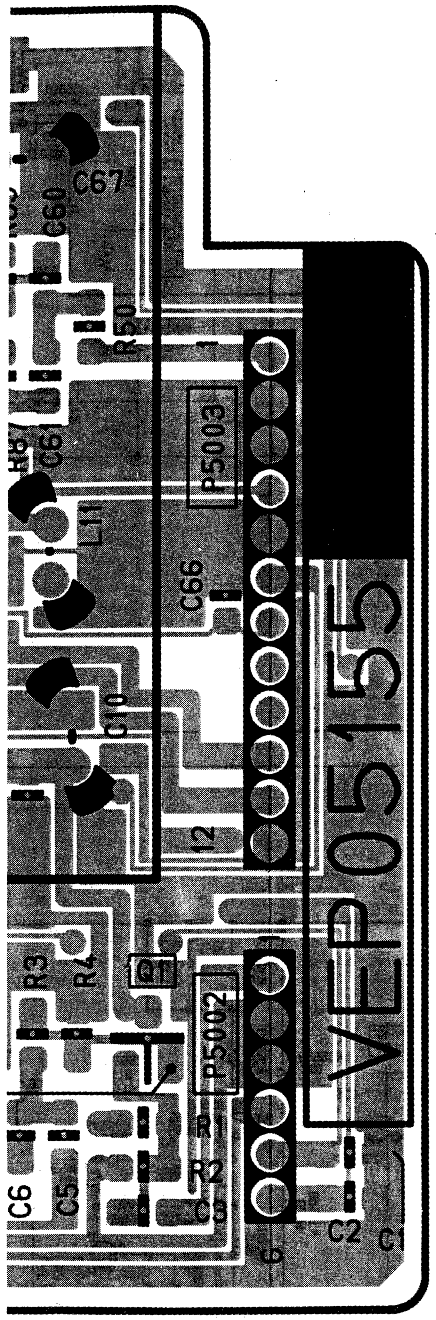
注意：DC電圧の測定値は、録画は（　）付
停止は（　）なし
録画停止共通は（　）なしで示してあります。

HEAD AMP C.B.A. (VEP05155A: AG-7750/VEP05155B: AG-7650)

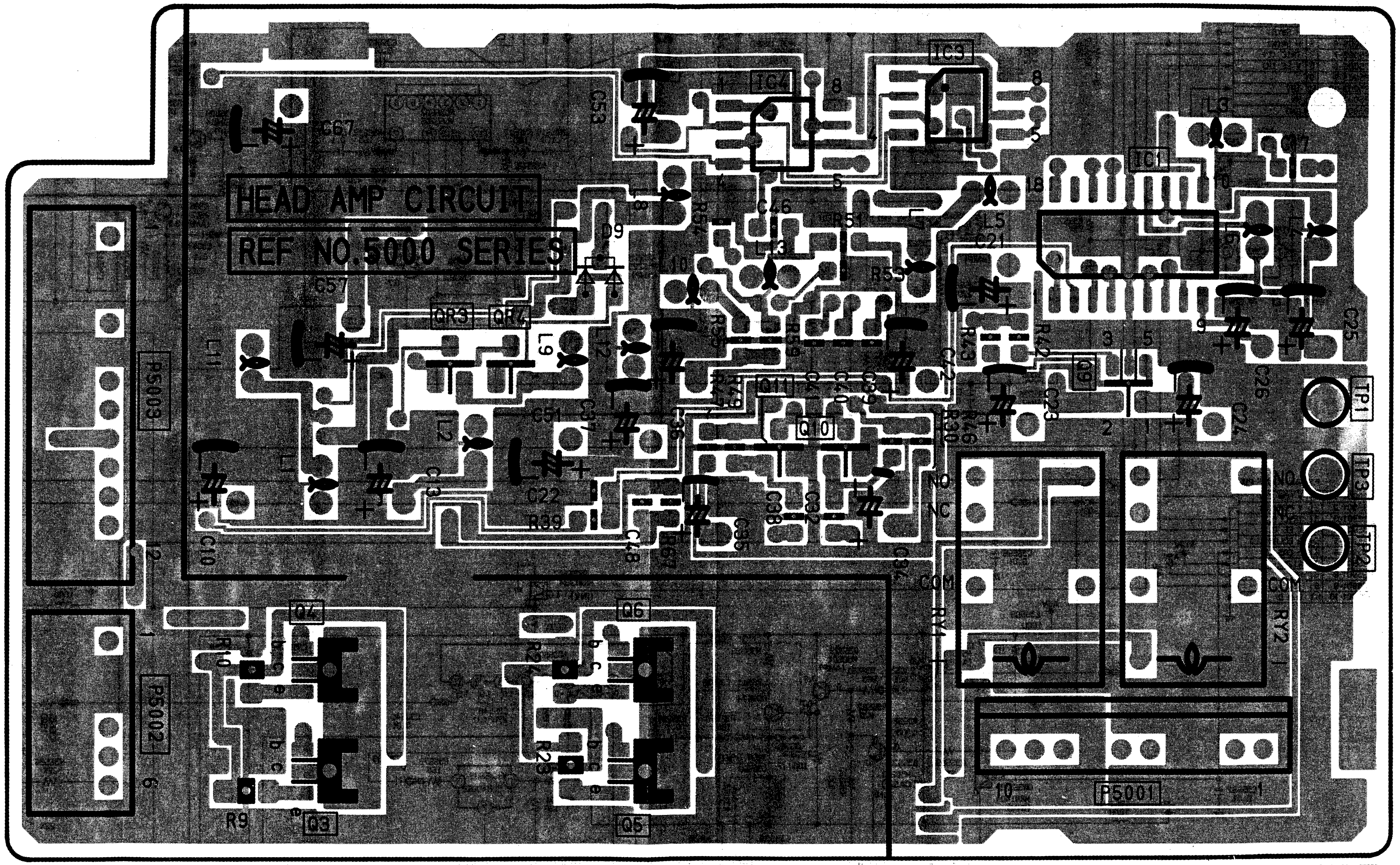
HEAD AMP C.B.A.	
Transistors	
Q5001	A-4 Ⓕ
Q5002	A-3 Ⓕ
Q5003	A-5 Ⓒ
Q5004	A-5 Ⓒ
Q5005	A-6 Ⓒ
Q5006	A-6 Ⓒ
Q5007	B-1 Ⓕ
Q5008	B-1 Ⓕ
Q5010	B-7 Ⓒ
Q5011	B-6 Ⓒ
Q5012	B-2 Ⓕ
Q5013	B-3 Ⓕ
Q5014	C-3 Ⓕ
Q5015	B-3 Ⓕ
Q5016	B-3 Ⓕ
Q5017	C-3 Ⓕ
Transistor & Resistors	
QR5003	B-6 Ⓒ
QR5004	B-6 Ⓒ
Integrated Circuits	
IC5001	C-7 Ⓒ
IC5002	B-2 Ⓕ
IC5003	C-7 Ⓒ
IC5004	C-7 Ⓒ
Test Points	
TP5001	B-1 Ⓕ
TP5001	B-8 Ⓒ
TP5002	B-1 Ⓕ
TP5002	B-8 Ⓒ
TP5003	B-1 Ⓕ
TP5003	B-8 Ⓒ
Connectors	
P5001	A-1 Ⓕ
P5001	A-7 Ⓒ
P5002	A-4 Ⓕ
P5002	A-5 Ⓒ
P5003	B-4 Ⓕ
P5003	B-5 Ⓒ

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE


C
B
A
1
2
3
4
HEAD AMP C.B.A. (VEP05155A: AG-7750/VEP05155B: AG-7650)
NTP-N17H-T
REF NO.5000 SERIES
HEAD AMP CIRCUIT
VJB05155
VEP05155
(FOIL SIDE
P5001
P5002
P5003
Q1
Q2
Q8
Q12
Q13
Q14
Q15
Q16
TP1
TP2
TP3
D6
D8
L9
L10
L11
L12
L13
R3
R4
R5
R6
R7
R8
R13
R15
R16
R17
R18
R19
R20
R21
R22
R25
R26
R27
R31
R32
R35
R41
R47
R48
R56
R57
R58
R64
R66
R70
R75
R76
R77
R78
R79
R80
R81
R82
R83
R84
R85
R86
R87
R88
R89
R90
R93
R94
C2
C4
C5
C6
C7
C8
C9
C10
C12
C14
C16
C18
C20
C21
C30
C31
C36
C37
C44
C45
C51
C52
C53
C54
C55
C56
C57
C58
C59
C60
C61
C62
C67

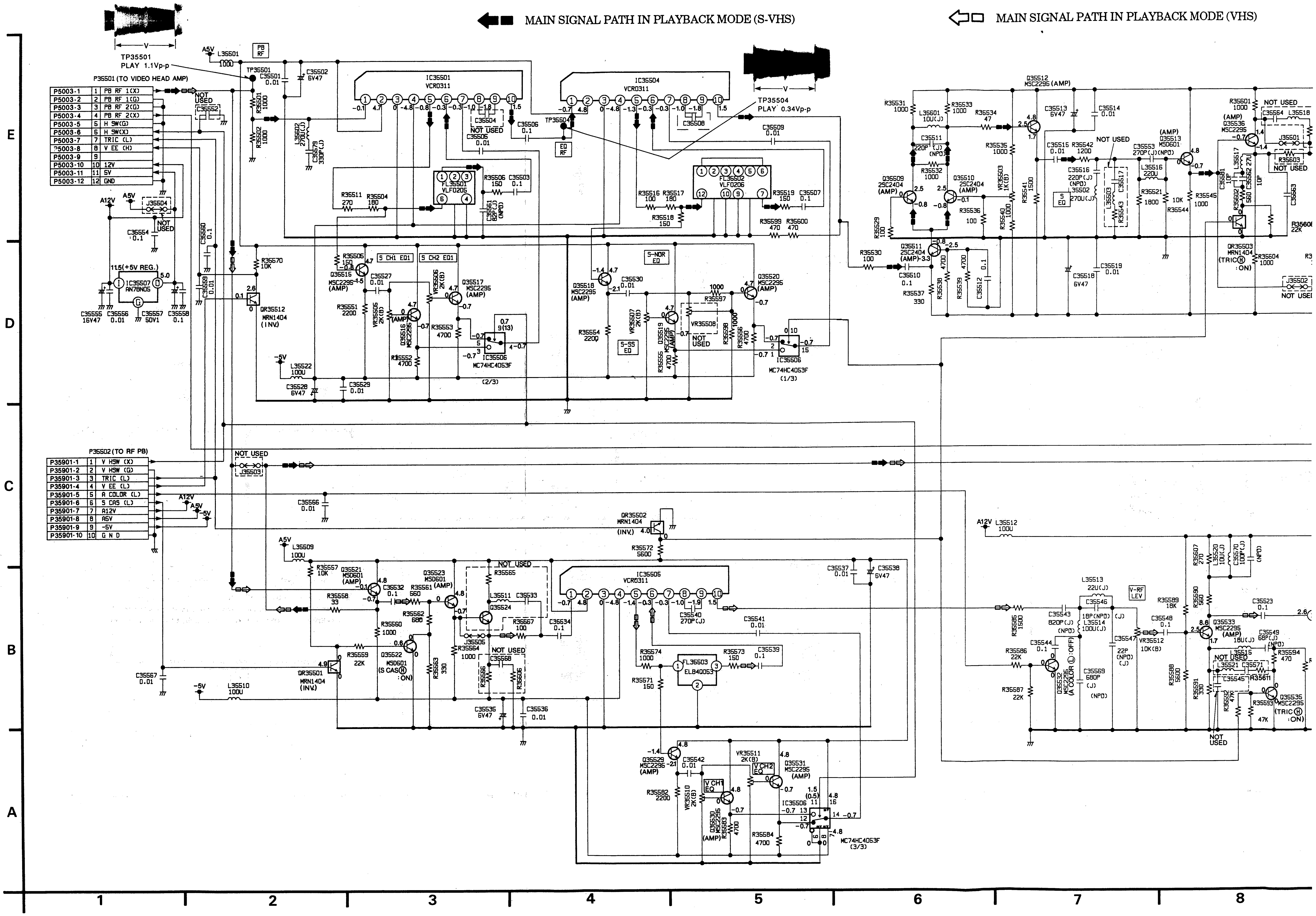

VEP05155
P5003
P5002
C67
C60
C66
C10
L11
Q1
R3
R4
R2
R1
C6
C5
C2
C1
12

(FOIL SIDE)

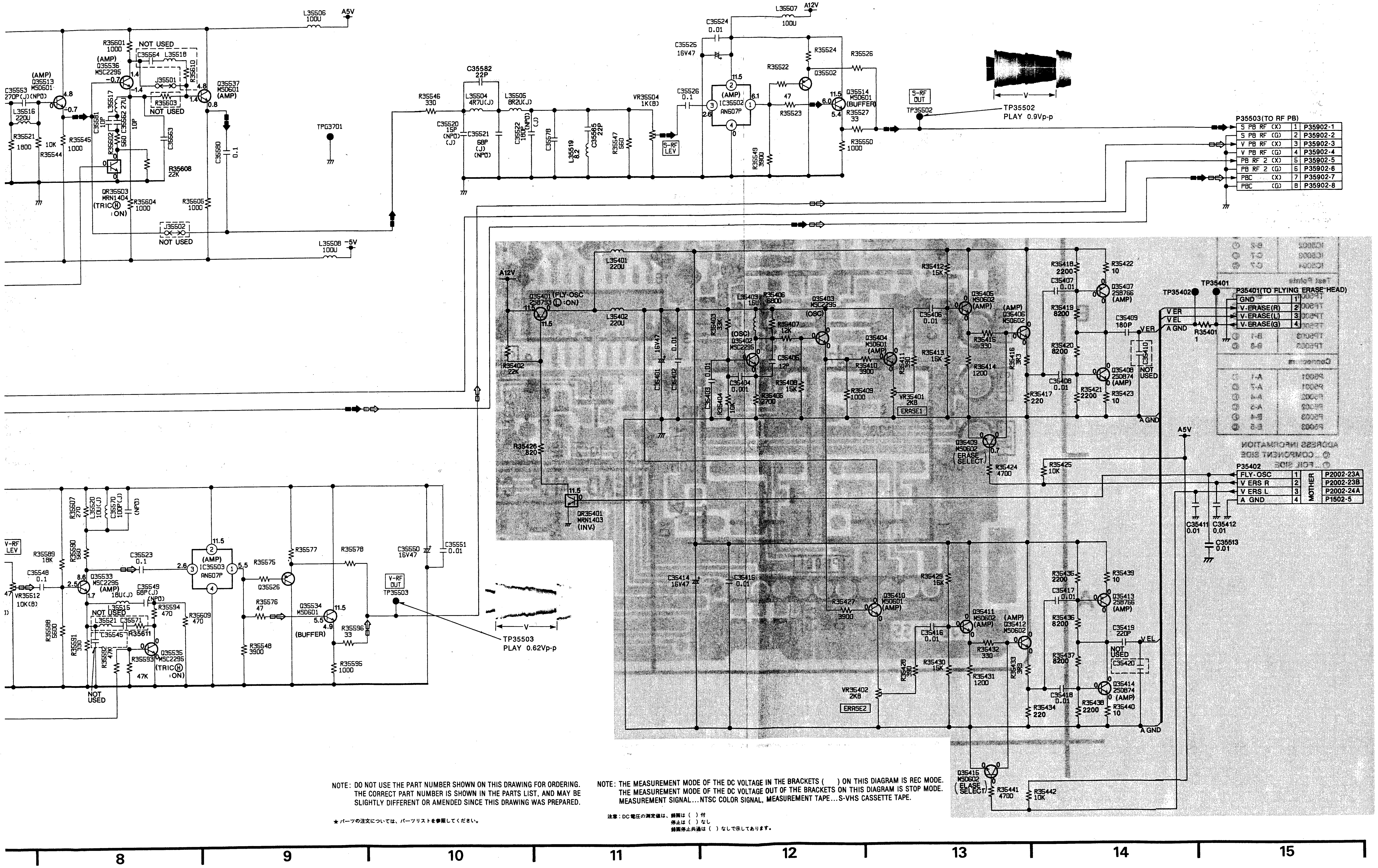

HEAD AMP CIRCUIT
REF NO.5000 SERIES
IC1
IC3
IC4
P5001
P5002
P5003
Q3
Q5
Q6
Q7
Q9
Q10
Q11
QR3
QR4
RY1
RY2
TP1
TP2
TP3
NO
NC
COM
C10
C21
C22
C23
C24
C25
C26
C34
C35
C38
C46
C48
C51
C53
C57
C67
D9
L1
L2
L3
L5
L8
L9
L10
L11
L13
R9
R10
R23
R27
R39
R51
R55
4
5
6
7
8

(COMPONENT SIDE)

SUB VIDEO SCHEMATIC DIAGRAM


MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)
MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)
TP35501
PLAY 1.1Vp-p
TP35504
PLAY 0.34Vp-p
P35501 (TO VIDEO HEAD AMP)
P5003-1 1 PB RF 1(X)
P5003-2 2 PB RF 1(G)
P5003-3 3 PB RF 2(G)
P5003-4 4 PB RF 2(X)
P5003-5 5 H SW(G)
P5003-6 6 H SW(X)
P5003-7 7 TRIC (L)
P5003-8 8 V EE (H)
P5003-9 9
P5003-10 10 12V
P5003-11 11 5V
P5003-12 12 GND
P35502 (TO RF PB)
P35901-1 1 V HSW (X)
P35901-2 2 V HSW (G)
P35901-3 3 TRIC (L)
P35901-4 4 V EE (L)
P35901-5 5 A COLOR (L)
P35901-6 6 S CAS (L)
P35901-7 7 A12V
P35901-8 8 A5V
P35901-9 9 -5V
P35901-10 10 G N D
IC35501 VCR0311
IC35504 VCR0311
IC35505 VCR0311
IC35507 AN78N05
11.5(+5V REG.)
FL35501 VLF0205
FL35502 VLF0206
FL35503 ELB40053
IC35506 MC74HC4053F (2/3)
IC35506 MC74HC4053F (1/3)
IC35506 MC74HC4053F (3/3)
QR35512 MRN1404 (INV.)
QR35502 MRN1404 (INV.)
QR35501 MRN1404 (INV.)
QR35503 MRN1404 (TRIC(H):ON)
Q35515 MSC2295 (AMP)
Q35516 MSC2295 (AMP)
Q35517 MSC2295 (AMP)
Q35518 MSC2295 (AMP)
Q35519 MSC2295 (AMP)
Q35520 MSC2295 (AMP)
Q35521 MSD601 (AMP)
Q35522 MSD601 (S CAS(H):ON)
Q35523 MSD601 (AMP)
Q35524
Q35529 MSC2295 (AMP)
Q35530 MSC2295 (AMP)
Q35531 MSC2295 (AMP)
Q35509 2SC2404 (AMP)
Q35510 2SC2404 (AMP)
Q35511 2SC2404 (AMP)
Q35512 MSC2295 (AMP)
Q35513 MSD601 (AMP)
Q35532 MSC2295 (A COLOR (L):OFF)
Q35533 MSC2295 (AMP)
Q35535 MSC2295 (TRIC(H):ON)
Q35536 MSC2295 (AMP)
S CH1 EQ1
S CH2 EQ1
S-NOR EQ
S-SS EQ
V CH1 EQ
V CH2 EQ
V-RF LEV
L EQ
PB RF
EQ RF
NOT USED
J35501
J35502
J35503
J35504
J35505
A5V
A12V
-5V
1
2
3
4
5
6
7
8
A
B
C
D
E

LAYBACK MODE (VHS)


L35506 100U
A5V
R35601 1000
NOT USED
C35564
L35518
R35610
J35501
R35603
(AMP) Q35536 MSC2295
Q35537 MSD601 (AMP)
(AMP) Q35513 MSD601
C35553 270P(J)(NPO)
L35516 220U
R35521 1800
R35545 1000
R35544 10K
R35608 22K
QR35503 MRN1404 (TRIC H :ON)
R35604 1000
R35605 1000
C35580 0.1
J35502 NOT USED
L35508 100U
-5V
TPG3701
R35546 330
C35582 22P
L35504 4R7U(J)
L35505 8R2U(J)
C35520 15P (NPO) (J)
C35521 68P (J) (NPO)
C35522 18P (NPO)(J)
C35578
L35519 8.2
C35565 22P
R35547 560
VR35504 1K(B)
S-RF LEV
C35526 0.1
C35525 16V47
C35524 0.01
L35507 100U
A12V
(AMP) IC35502 AN607P
R35549 3900
R35522
R35523
R35524
R35526
Q35502
Q35514 MSD601 (BUFFER)
R35527 33
R35550 1000
S-RF OUT
TP35502
TP35502 PLAY 0.9Vp-p
P35503(TO RF PB)
S PB RF (X) 1 P35902-1
S PB RF (G) 2 P35902-2
V PB RF (X) 3 P35902-3
V PB RF (G) 4 P35902-4
PB RF 2 (X) 5 P35902-5
PB RF 2 (G) 6 P35902-6
PBC (X) 7 P35902-7
PBC (G) 8 P35902-8
L35401 220U
L35402 220U
Q35401 (FLY-OSC) 2SB793 (L :ON)
R35402 22K
R35426 820
QR35401 MRN1403 (INV)
C35401 16V47
C35402 0.01
C35403 0.01
R35404 10K
R35403 10K
L35403 15U
R35406 6800
(OSC) Q35402 MSC2295
Q35403 MSC2295 (OSC)
C35404 0.001
C35405 12P
R35407 12K
R35408 15K
R35405 2700
Q35404 MSD601 (AMP)
R35410 3900
R35409 1000
R35411 390
VR35401 2K8
ERASE1
R35412 15K
R35413 15K
C35406 0.01
Q35405 MSD602 (AMP)
(AMP) Q35406 MSD602
R35415 330
R35414 1200
R35416 3R3
R35417 220
R35418 2200
R35422 10
C35407 0.01
Q35407 2SB766 (AMP)
R35419 8200
R35420 8200
C35408 0.01
R35421 2200
Q35408 2SD874 (AMP)
R35423 10
C35409 180P
C35410 NOT USED
Q35409 MSD602 (ERASE SELECT)
R35424 4700
R35425 10K
TP35402
TP35401
P35401(TO FLYING ERASE HEAD)
GND 1
V-ERASE(R) 2
V-ERASE(L) 3
V-ERASE(G) 4
VER
VEL
A GND
R35401 1
P35402
FLY-OSC 1 P2002-23A
V ERS R 2 P2002-23B
V ERS L 3 P2002-24A
A GND 4 P1502-5
MOTHER
C35411 0.01
C35412 0.01
C35513 0.01
R35607 270
L35520 10U(J)
C35570 100P(J) (NPO)
V-RF LEV
R35589 18K
R35590 560
C35548 0.1
VR35512 10K(B)
Q35533 MSC2295 (AMP)
C35523 0.1
(AMP) IC35503 AN607P
C35549 68P(J) (NPO)
L35515 18U(J)
NOT USED
L35521
C35571
C35545
R35611
R35594 470
R35609 470
Q35535 MSC2295 (TRIC H :ON)
R35593 47K
R35588 5600
R35591 330
R35592 47K
NOT USED
R35575
Q35526
R35577
R35576 47
R35548 3900
Q35534 MSD601 (BUFFER)
R35578
R35596 33
R35595 1000
C35550 16V47
C35551 0.01
V-RF OUT
TP35503
TP35503 PLAY 0.62Vp-p
C35414 16V47
C35415 0.01
R35427 3900
Q35410 MSD601 (AMP)
R35429 15K
VR35402 2K8
ERASE2
C35416 0.01
Q35411 MSD602 (AMP)
(AMP) Q35412 MSD602
R35432 330
R35428 390
R35430 15K
R35431 1200
R35433 3R3
R35435 2200
R35439 10
C35417 0.01
Q35413 2SB766 (AMP)
R35436 8200
C35419 220P
NOT USED
C35420
R35437 8200
C35418 0.01
R35434 220
R35438 2200
Q35414 2SD874 (AMP)
R35440 10
Q35415 MSD602 (ELASE SELECT)
R35441 4700
R35442 10K
8
9
10
11
12
13
14
15

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

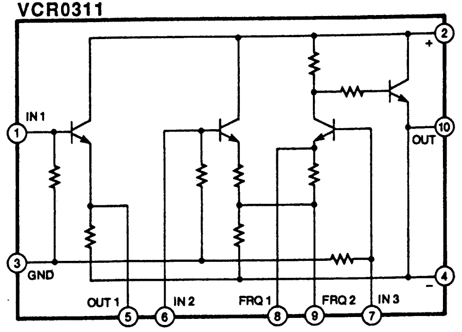
★ パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (　　) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL…NTSC COLOR SIGNAL, MEASUREMENT TAPE…S-VHS CASSETTE TAPE.

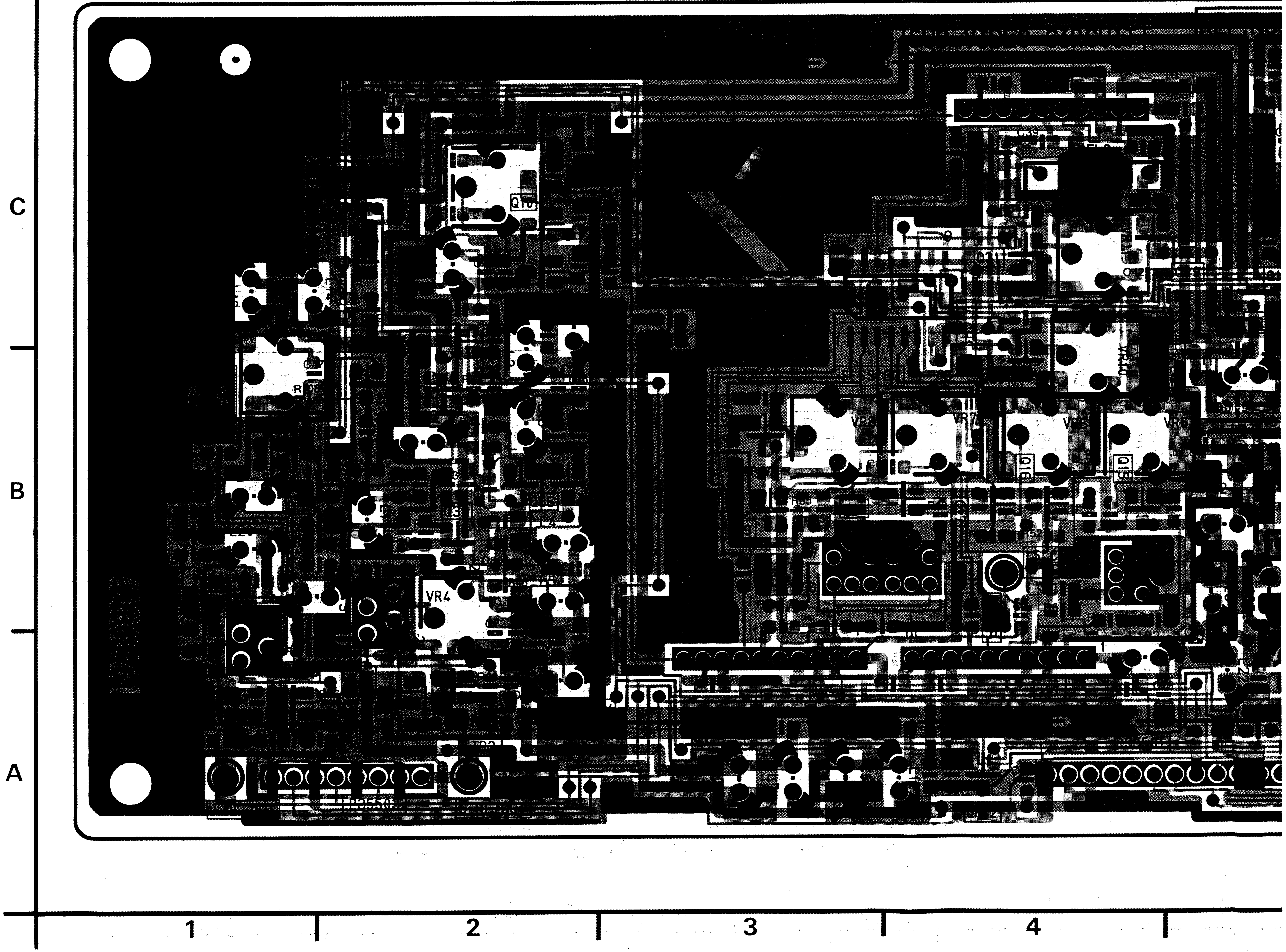
注意：DC電圧の測定値は、録画は（　）付
停止は（　）なし
録画停止共通は（　）なしで示してあります。

SUB VIDEO C.B.A. (VEP03751A: AG-7750/VEP03751B: AG-7650)

IC35501,35504,35505
VCR0311

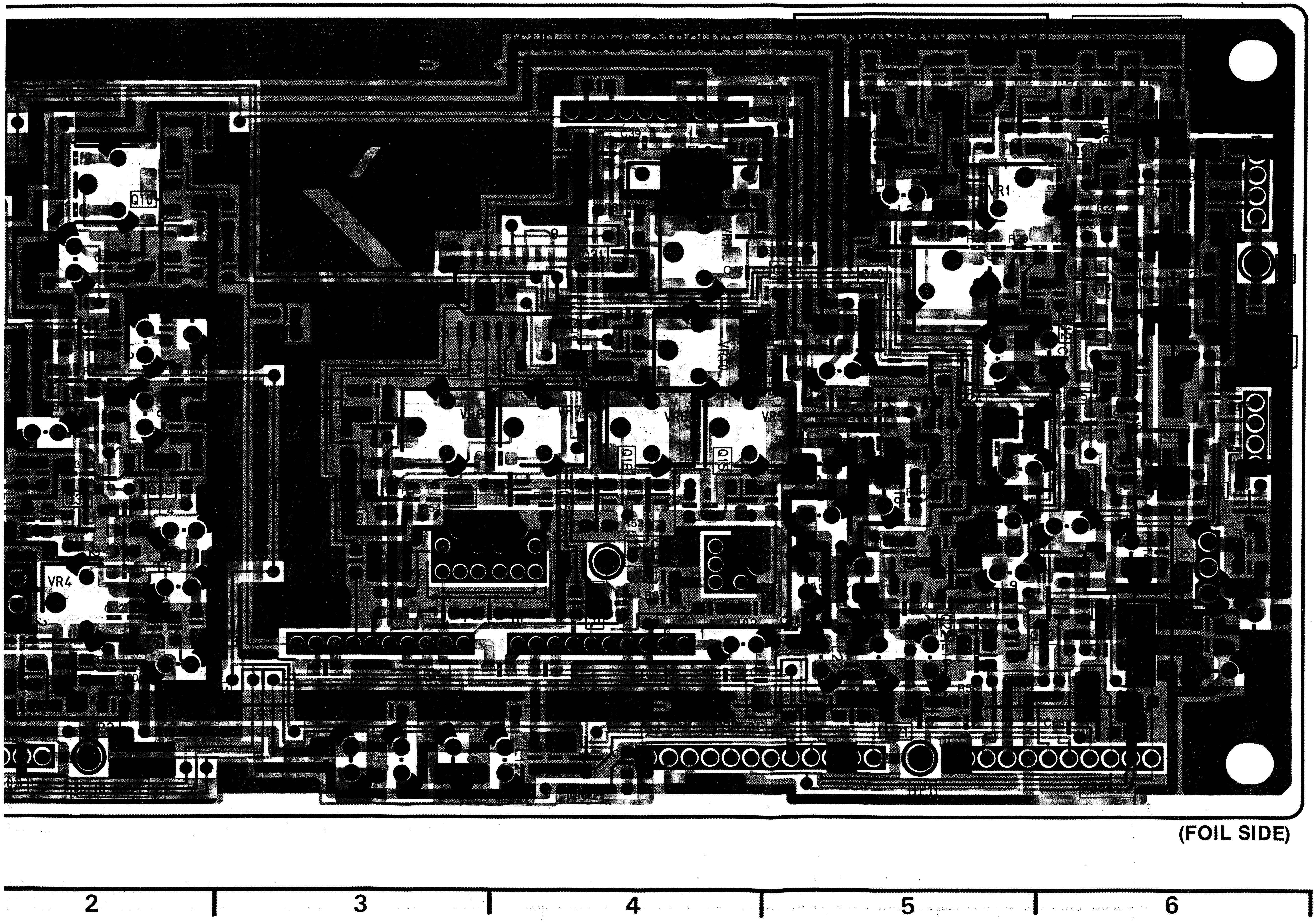

IN1
GND
OUT
OUT 1
IN 2
FRQ 1
FRQ 2
IN 3
+
−
1
2
3
4
5
6
7
8
9
10

SUB VIDEO C.B.A. (VEP3751A: AG-7750/VEP03751B: AG-7650)


C
B
A
1
2
3
4
Q10
VR4
VR8
VR7
VR6
VR5
Q16
Q15

7750/VEP03751B: AG-7650)

: AG-7750/VEP03751B: AG-7650)



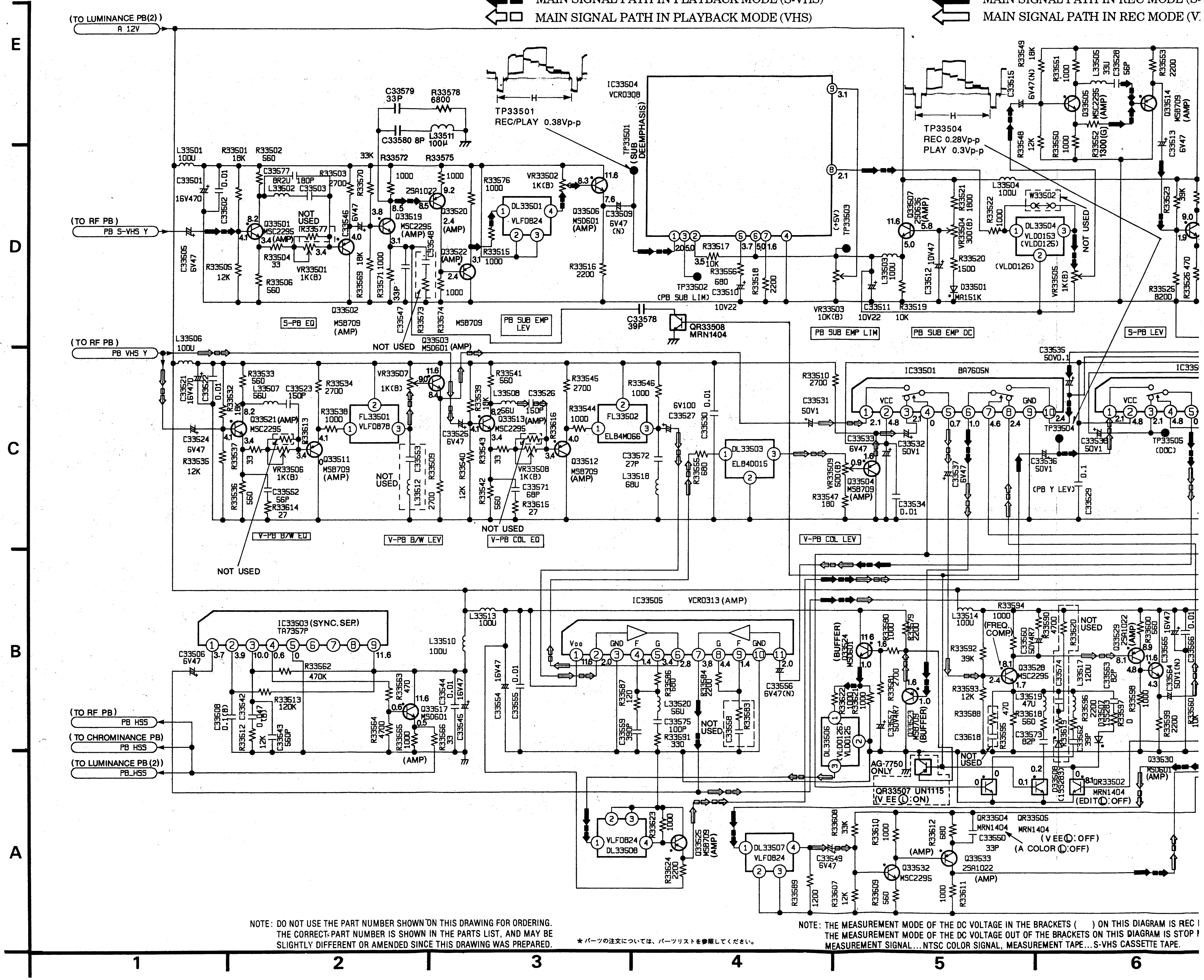
(FOIL SIDE)

SUB VIDEO C.B.A.	
Transistors	
Q35401	B-6
Q35402	C-5
Q35403	C-5
Q35404	C-5
Q35405	C-5
Q35406	C-6
Q35407	C-6
Q35408	C-6
Q35409	C-6
Q35410	C-5
Q35411	C-5
Q35412	B-6
Q35413	B-6
Q35414	C-6
Q35415	B-6
Q35502	A-2
Q35509	C-2
Q35510	C-2
Q35511	C-2
Q35512	C-2
Q35513	B-2
Q35514	A-2
Q35515	B-4
Q35516	B-4
Q35517	B-4
Q35518	B-3
Q35519	B-3
Q35520	B-3
Q35521	A-5
Q35522	A-5
Q35523	B-5
Q35524	B-5
Q35526	A-1
Q35530	B-4
Q35531	C-4
Q35532	C-2
Q35533	B-1
Q35534	A-1
Q35535	B-1
Q35536	B-2
Q35537	B-2
Transistor & Resistors	
QR35401	B-6
QR35501	A-5
QR35502	A-5
QR35503	B-2
QR35512	A-4
Integrated Circuits	
IC35501	A-4
IC35502	A-2
IC35503	A-1
IC35504	A-3
IC35505	C-4
IC35506	C-3
IC35507	A-6
Test Points	
TP35401	C-6
TP35402	B-6
TP35501	A-5
TP35502	A-2
TP35503	A-1
TP35504	B-4
TPG3701	B-3
Adjustments	
VR35401	C-5
VR35402	C-5
VR35503	C-2
VR35504	B-2
VR35505	B-4
VR35506	B-4
VR35507	B-4
VR35508	B-3
VR35510	B-4
VR35511	C-4
VR35512	B-1
Connectors	
P35401	C-6
P35402	B-6
P35501	A-4
P35502	A-6
P35503	A-2

ADDRESS INFORMATION

LUMINANCE PB (1) SCHEMATIC DIAGRAM

MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)
MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)
MAIN SIGNAL PATH IN REC MODE (S-
MAIN SIGNAL PATH IN REC MODE (V.



E
D
C
B
A
1
2
3
4
5
6
(TO LUMINANCE PB(2))
A 12V
(TO RF PB)
PB S-VHS Y
(TO RF PB)
PB VHS Y
(TO RF PB)
PB HSS
(TO CHROMINANCE PB)
PB HSS
(TO LUMINANCE PB(2))
PB_HSS
TP33501
REC/PLAY 0.38Vp-p
TP33504
REC 0.28Vp-p
PLAY 0.3Vp-p
IC33504
VCR0308
IC33501 BA7605N
IC33503 (SYNC.SEP.)
TA7357P
IC33505 VCR0313 (AMP)
S-PB EQ
PB SUB EMP LEV
PB SUB EMP LIM
PB SUB EMP DC
S-PB LEV
V-PB B/W EQ
V-PB B/W LEV
V-PB COL EQ
V-PB COL LEV
(PB Y LEV)
(PB SUB LIM)
TP33501 (SUB DEEMPHASIS)
TP33503
TP33504
TP33505 (DOC)
NOT USED
AG-7750 ONLY
QR33507 UN1115 (V EE Ⓛ:ON)
QR33502 MRN1404 (EDIT Ⓛ:OFF)
QR33504 MRN1404
QR33505 MRN1404 (V EE Ⓛ:OFF) (A COLOR Ⓛ:OFF)
QR33508 MRN1404
DL33501 VLF0824
DL33503 ELB4D015
DL33504 VLD0153 (VLD0125)
DL33506 (VLD0126) VLD0125
DL33507 VLF0824
DL33508 VLF0824
FL33501 VLF0878
FL33502 ELB4M066

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
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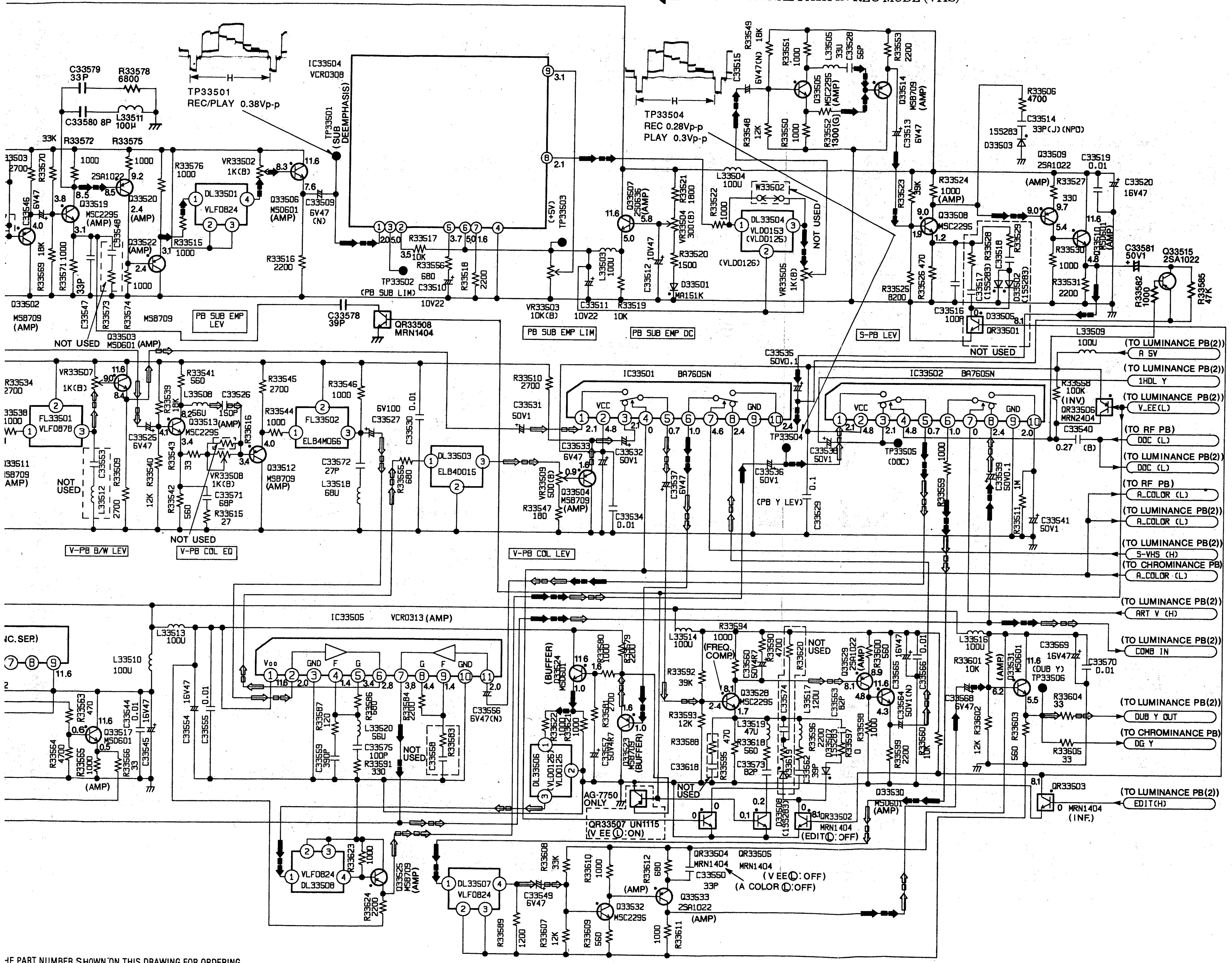
SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS REC
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

C DIAGRAM

MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)
MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)
MAIN SIGNAL PATH IN REC MODE (S-VHS)
MAIN SIGNAL PATH IN REC MODE (VHS)



TP33501
REC/PLAY 0.38Vp-p
TP33504
REC 0.28Vp-p
PLAY 0.3Vp-p
IC33504
VCR0308
TP33501 (SUB DEEMPHASIS)
TP33502
(PB SUB LIM)
TP33503
PB SUB EMP LEV
PB SUB EMP LIM
PB SUB EMP DC
S-PB LEV
QR33508
MRN1404
Q33502
MSB709
(AMP)
Q33503
MSD601 (AMP)
Q33506
MSD601
(AMP)
Q33519
MSC2295
(AMP)
Q33520
2.4
(AMP)
Q33522
(AMP)
DL33501
VLF0824
Q33507
2SD636
(AMP)
DL33504
VLD0153
(VLD0125)
(VLD0126)
W33502
NOT USED
Q33505
MSC2295
(AMP)
Q33514
MSB709
(AMP)
Q33508
MSC2295
Q33509
2SA1022
(AMP)
Q33510
(AMP)
Q33515
2SA1022
QR33501
NOT USED
IC33501 BA7605N
IC33502 BA7605N
VCC
GND
TP33505
(DOC)
(PB Y LEV)
FL33501
VLF0878
FL33502
ELB4M066
DL33503
ELB4D015
Q33512
MSB709
(AMP)
Q33513
MSC2295
(AMP)
Q33504
MSB709
(AMP)
V-PB B/W LEV
V-PB COL EQ
V-PB COL LEV
NOT USED
(TO LUMINANCE PB(2))
A 5V
(TO LUMINANCE PB(2))
1HDL Y
(TO LUMINANCE PB(2))
V_EE(L)
QR33506
MRN2404
(INV)
(TO RF PB)
DOC (L)
(TO LUMINANCE PB(2))
DOC (L)
(TO RF PB)
A_COLOR (L)
(TO LUMINANCE PB(2))
A_COLOR (L)
(TO LUMINANCE PB(2))
S-VHS (H)
(TO CHROMINANCE PB)
A_COLOR (L)
(TO LUMINANCE PB(2))
ART V (H)
(TO LUMINANCE PB(2))
COMB IN
(TO LUMINANCE PB(2))
DUB Y OUT
(TO CHROMINANCE PB)
DG Y
(TO LUMINANCE PB(2))
EDIT(H)
QR33503
MRN1404
(INF.)
IC33505 VCR0313 (AMP)
VDD
GND
F
G
Q33517
MSD601
(AMP)
Q33524
MSD601
(BUFFER)
Q33523
(BUFFER)
DL33506
VLD0126
VLD0125
AG-7750 ONLY
QR33507 UN1115
(V_EE (L):ON)
Q33528
MSC2295
(FREQ COMP)
Q33529
2SA1022
(AMP)
Q33531
MSD601
(AMP)
TP33506
Q33530
MSD601
(AMP)
QR33502
MRN1404
(EDIT(L):OFF)
QR33504
MRN1404
QR33505
MRN1404
(V EE(L):OFF)
(A COLOR (L):OFF)
Q33533
2SA1022
(AMP)
Q33532
MSC2295
DL33507
VLF0824
DL33508
VLF0824
Q33525
MSB709
(AMP)
(C.SEP)
2
3
4
5
6
7

HE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE
FERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★ パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

注意：DC電圧の測定値は、録画は ( ) 付
停止は ( ) なし
録画停止共通は ( ) なしで示してあります。

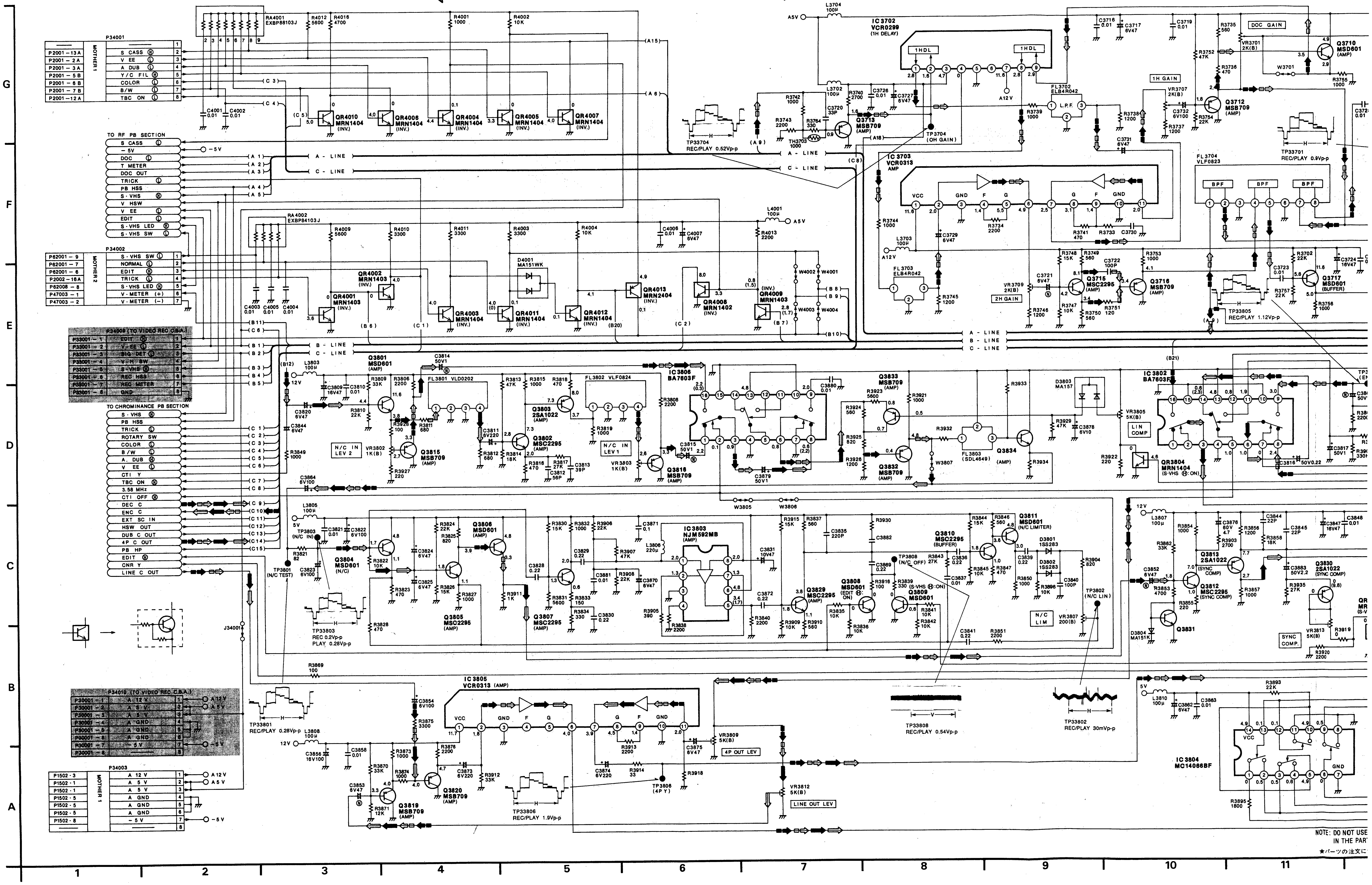
LUMINANCE PB (2) SCHEMATIC DIAGRAM

MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)

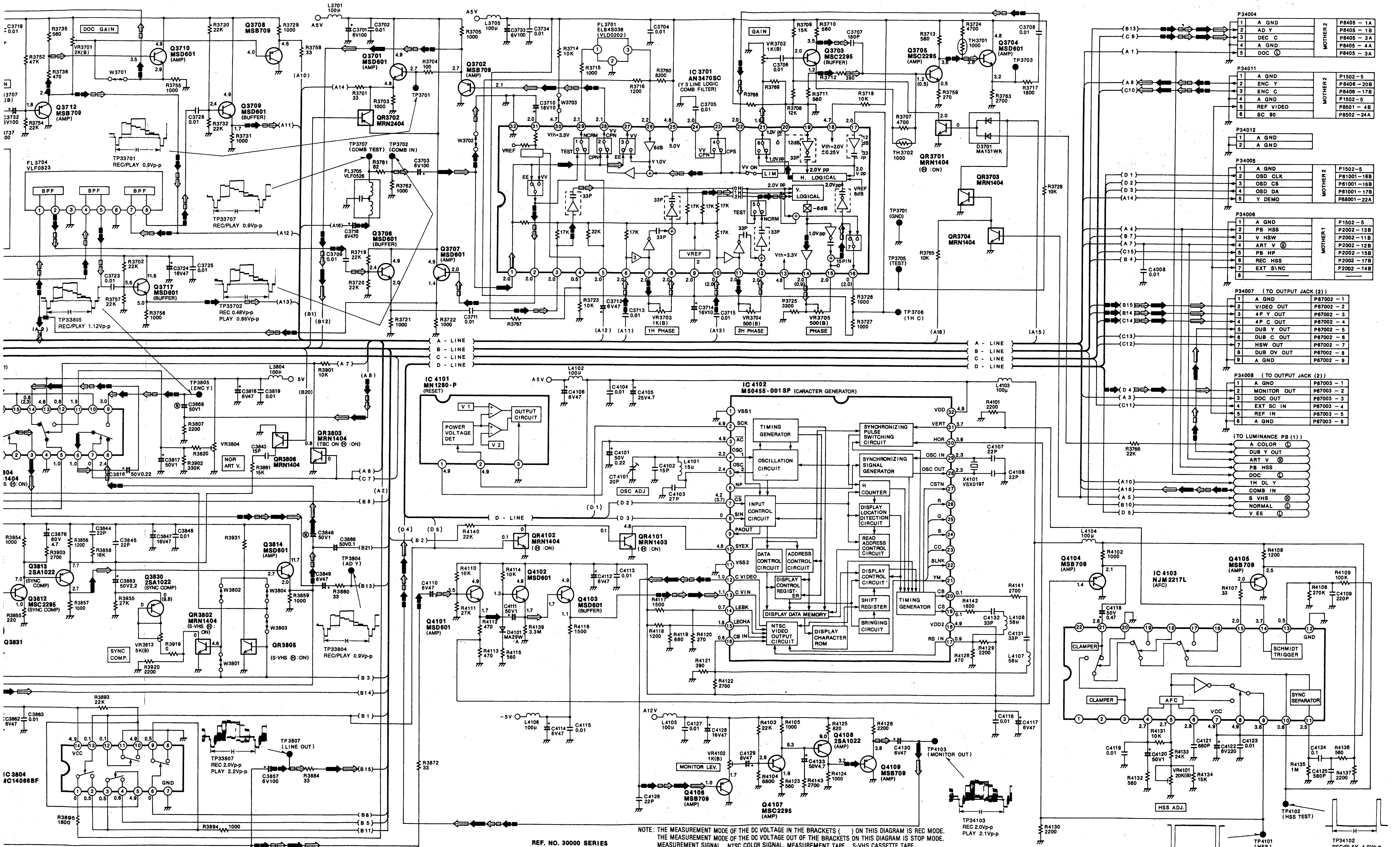
MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)

MAIN SIGNAL PATH IN REC MODE (S-VHS)

MAIN SIGNAL PATH IN REC MODE (VHS)


P34001
MOTHER 1
TO RF PB SECTION
P34002
MOTHER 2
P34009 (TO VIDEO REC C.B.A.)
TO CHROMINANCE PB SECTION
P34010 (TO VIDEO REC C.B.A.)
P34003
RA4001 EXBP88103J
RA4002 EXBP84103J
QR4010 MRN1404 (INV.)
QR4006 MRN1404 (INV.)
QR4004 MRN1404 (INV.)
QR4005 MRN1404 (INV.)
QR4007 MRN1404 (INV.)
QR4002 MRN1403 (INV.)
QR4001 MRN1403 (INV.)
QR4003 MRN1404 (INV.)
QR4011 MRN1404 (INV.)
QR4012 MRN1404 (INV.)
QR4013 MRN2404 (INV.)
QR4008 MRN1402 (INV.)
QR4009 MRN1403 (INV.)
D4001 MA151WK
IC3702 VCR0299 (1H DELAY)
1HDL
IC3703 VCR0313 AMP
FL3702 ELB4R042 L.P.F.
FL3703 ELB4R042
FL3704 VLF0823
BPF
DOC GAIN
1H GAIN
2H GAIN
Q3710 MSD601 (AMP)
Q3712 MSB709 (AMP)
Q3713 MSB709 (AMP)
Q3715 MSC2295 (AMP)
Q3716 MSB709 (AMP)
Q3717 MSD601 (BUFFER)
TP37O4 (OH GAIN)
TP33704 REC/PLAY 0.52Vp-p
TP33701 REC/PLAY 0.9Vp-p
TP33805 REC/PLAY 1.12Vp-p
A - LINE
B - LINE
C - LINE
Q3801 MSD601 (AMP)
FL3801 VLD0202
FL3802 VLF0824
Q3803 2SA1022 (AMP)
Q3802 MSC2295 (AMP)
Q3815 MSB709 (AMP)
Q3816 MSB709 (AMP)
IC3806 BA7603F
IC3802 BA7603F
Q3833 MSB709 (AMP)
Q3832 MSB709 (AMP)
Q3834 (AMP)
FL3803 (SDL4649)
D3803 MA157
LIN COMP
QR3804 MRN1404 (S-VHS Ⓗ:ON)
N/C IN LEV 2
N/C IN LEV 1
Q3804 MSD601 (N/C)
Q3806 MSD601 (AMP)
Q3805 MSC2295 (AMP)
Q3807 MSC2295 (AMP)
IC3803 NJM592MB (AMP)
Q3829 MSC2295 (AMP)
Q3808 MSD601 (EDIT Ⓗ: ON)
Q3809 MSD601
Q3810 MSC2295 (BUFFER)
Q3811 MSD601 (N/C LIMITER)
N/C LIM
Q3813 2SA1022 (SYNC COMP)
Q3812 MSC2295 (SYNC COMP)
Q3830 2SA1022 (SYNC COMP)
Q3831
D3804 MA151K
SYNC COMP.
TP3801 (N/C TEST)
TP3803 (N/C IN)
TP33803 REC 0.2Vp-p PLAY 0.28Vp-p
TP3808 (N/C OFF)
TP33808 REC/PLAY 0.54Vp-p
TP3802 (N/C LIN)
TP33802 REC/PLAY 30mVp-p
IC3805 VCR0313 (AMP)
Q3819 MSB709 (AMP)
Q3820 MSB709 (AMP)
TP33801 REC/PLAY 0.28Vp-p
TP33806 REC/PLAY 1.9Vp-p
TP3806 (4P Y)
4P OUT LEV
LINE OUT LEV
IC3804 MC14066BF
VCC
GND
J34001
A B C D E F G
1 2 3 4 5 6 7 8 9 10 11

NOTE: DO NOT USE
IN THE PART
★パーツの注文に


IC 3701
AN3470SC
(Y 3 LINE LOGIC COMB FILTER)
IC 4101
MN1280-P
(RESET)
POWER VOLTAGE DET
OUTPUT CIRCUIT
IC 4102
M50455-001SP (CARACTER GENERATOR)
TIMING GENERATOR
OSCILLATION CIRCUIT
INPUT CONTROL CIRCUIT
DATA CONTROL CIRCUIT
ADDRESS CONTROL CIRCUIT
DISPLAY CONTROL REGIST-ER
DISPLAY DATA MEMORY
NTSC VIDEO OUTPUT CIRCUIT
DISPLAY CHARACTER ROM
SYNCHRONIZING PULSE SWITCHING CIRCUIT
SYNCHRONIZING SIGNAL GENERATOR
H COUNTER
DISPLAY LOCATION DITECTION CIRCUIT
READ ADDRESS CONTROL CIRCUIT
DISPLAY CONTROL CIRCUIT
SHIFT REGISTER
BRINGING CIRCUIT
IC 4103
NJM2217L
(AFC)
CLAMPER
SCHMIDT TRIGGER
SYNC SEPARATOR
AFC
HSS ADJ.
IC 3804
MC14066BF
Q3701 MSD601 (AMP)
Q3702 MSB709 (AMP)
Q3703 MSC2295 (BUFFER)
Q3704 MSD601 (AMP)
Q3705 MSC2295 (AMP)
Q3706 MSD601 (BUFFER)
Q3707 MSD601 (AMP)
Q3708 MSB709
Q3709 MSD601 (BUFFER)
Q3710 MSD601 (AMP)
Q3712 MSB709 (AMP)
Q3717 MSD601 (BUFFER)
QR3701 MRN1404 (H :ON)
QR3702 MRN2404
QR3703 MRN1404
QR3704 MRN1404
Q3812 MSC2295 (SYNC COMP)
Q3813 2SA1022 (SYNC COMP)
Q3814 MSD601 (AMP)
Q3830 2SA1022 (SYNC COMP)
QR3802 MRN1404 (S-VHS H : ON)
QR3803 MRN1404 (TBC ON H :ON)
QR3805 (S-VHS H :ON)
QR3806 MRN1404
Q4101 MSD601 (AMP)
Q4102 MSD601
Q4103 MSD601 (BUFFER)
Q4104 MSB709 (AMP)
Q4105 MSB709 (AMP)
Q4106 MSB709 (AMP)
Q4107 MSC2295 (AMP)
Q4108 2SA1022 (AMP)
Q4109 MSB709 (AMP)
QR4101 MRN1403 (H :ON)
QR4102 MRN1404 (H :ON)
DOC GAIN
GAIN
NOR ART V.
SYNC COMP.
OSC ADJ
MONITOR LEV.
1H PHASE
2H PHASE
PHASE
A - LINE
B - LINE
C - LINE
D - LINE
TP33701 REC/PLAY 0.9Vp-p
TP33707 REC/PLAY 0.9Vp-p
TP33805 REC/PLAY 1.12Vp-p
TP33702 REC 0.48Vp-p PLAY 0.86Vp-p
TP33804 REC/PLAY 0.9Vp-p
TP33807 REC 2.0Vp-p PLAY 2.2Vp-p
TP34103 REC 2.0Vp-p PLAY 2.1Vp-p
TP34101 REC/PLAY 3.9Vp-p
TP34102 REC/PLAY 4.0Vp-p
TP3701 (GND)
TP3705 (TEST)
TP3706 (1H C)
TP3707 (COMB TEST)
TP3702 (COMB IN)
TP3805 (ENC Y)
TP3804 (AD Y)
TP3807 (LINE OUT)
TP4103 (MONITOR OUT)
TP4101 (HSS)
TP4102 (HSS TEST)
P34004
1 A GND MOTHER 2 P8405 - 1A
2 AD Y P8405 - 1B
3 DEC C P8405 - 3A
4 A GND P8405 - 4A
5 DOC Ⓛ P8405 - 3A
P34011
1 A GND MOTHER 2 P1502 - 5
2 ENC Y P8406 - 20B
3 ENC C P8406 - 17B
4 A GND P1502 - 5
5 REF VIDEO P8501 - 4B
6 SC 90 P8502 - 24A
P34012
1 A GND
2 A GND
P34005
1 A GND MOTHER 2 P1502-5
2 OSD CLK P61001 - 18B
3 OSD CS P61001 - 16B
4 OSD DA P61001 - 17B
5 Y DEMO P68001 - 22A
P34006
1 A GND MOTHER 1 P1502 - 5
2 PB HSS P2002 - 13B
3 V HSW P2002 - 11B
4 ART V Ⓗ P2002 - 12B
5 PB HP P2002 - 15B
6 REC HSS P2002 - 17B
7 EXT SYNC P2002 - 14B
8
P34007 (TO OUTPUT JACK (2))
1 A GND P67002 - 1
2 VIDEO OUT P67002 - 2
3 4P Y OUT P67002 - 3
4 4P C OUT P67002 - 4
5 DUB Y OUT P67002 - 5
6 DUB C OUT P67002 - 6
7 HSW OUT P67002 - 7
8 DUB OV OUT P67002 - 8
9 A GND P67002 - 9
P34008 (TO OUTPUT JACK (2))
1 A GND P67003 - 1
2 MONITOR OUT P67003 - 2
3 DOC OUT P67003 - 3
4 EXT SC IN P67003 - 4
5 REF IN P67003 - 5
6 A GND P67003 - 6
(TO LUMINANCE PB (1))
A COLOR Ⓛ
DUB Y OUT
ART V Ⓗ
PB HSS
DOC Ⓛ
1H DL Y
COMB IN
S VHS Ⓗ
NORMAL Ⓛ
V EE Ⓛ

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★パーツの注文については、パーツリストを参照してください。

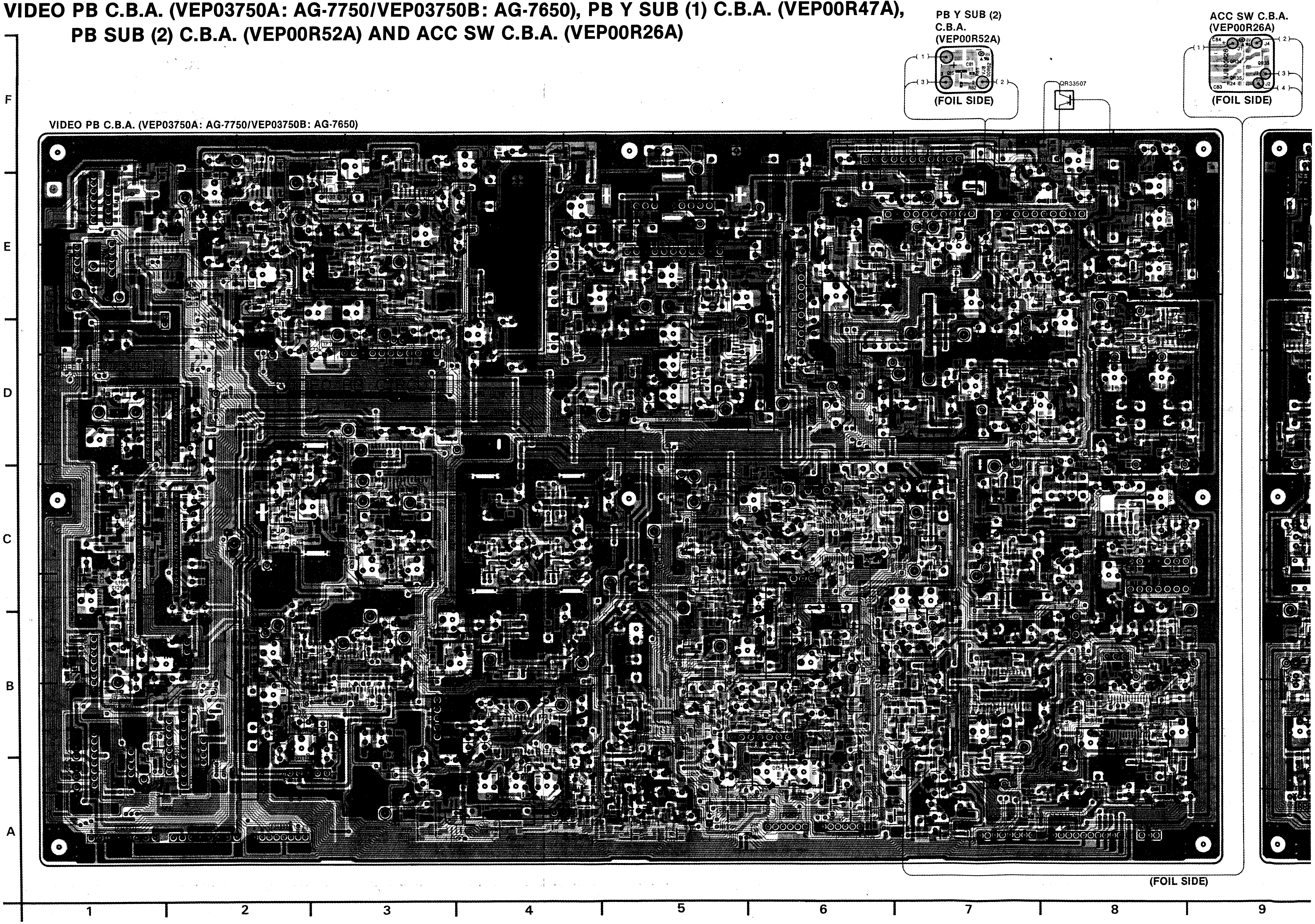
REF. NO. 30000 SERIES

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

注意：DC電圧の測定値は、録画は（ ）付
再生は（ ）なし
録再共通は（ ）なしで示してあります。

11 12 13 14 15 16 17 18 19 20 21

VIDEO PB C.B.A. (VEP03750A: AG-7750/VEP03750B: AG-7650), PB Y SUB (1) C.B.A. (VEP00R47A), PB SUB (2) C.B.A. (VEP00R52A) AND ACC SW C.B.A. (VEP00R26A)


PB Y SUB (2)
C.B.A.
(VEP00R52A)
(FOIL SIDE)
QR33507
ACC SW C.B.A.
(VEP00R26A)
(FOIL SIDE)
VIDEO PB C.B.A. (VEP03750A: AG-7750/VEP03750B: AG-7650)
(FOIL SIDE)
F
E
D
C
B
A
1
2
3
4
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6
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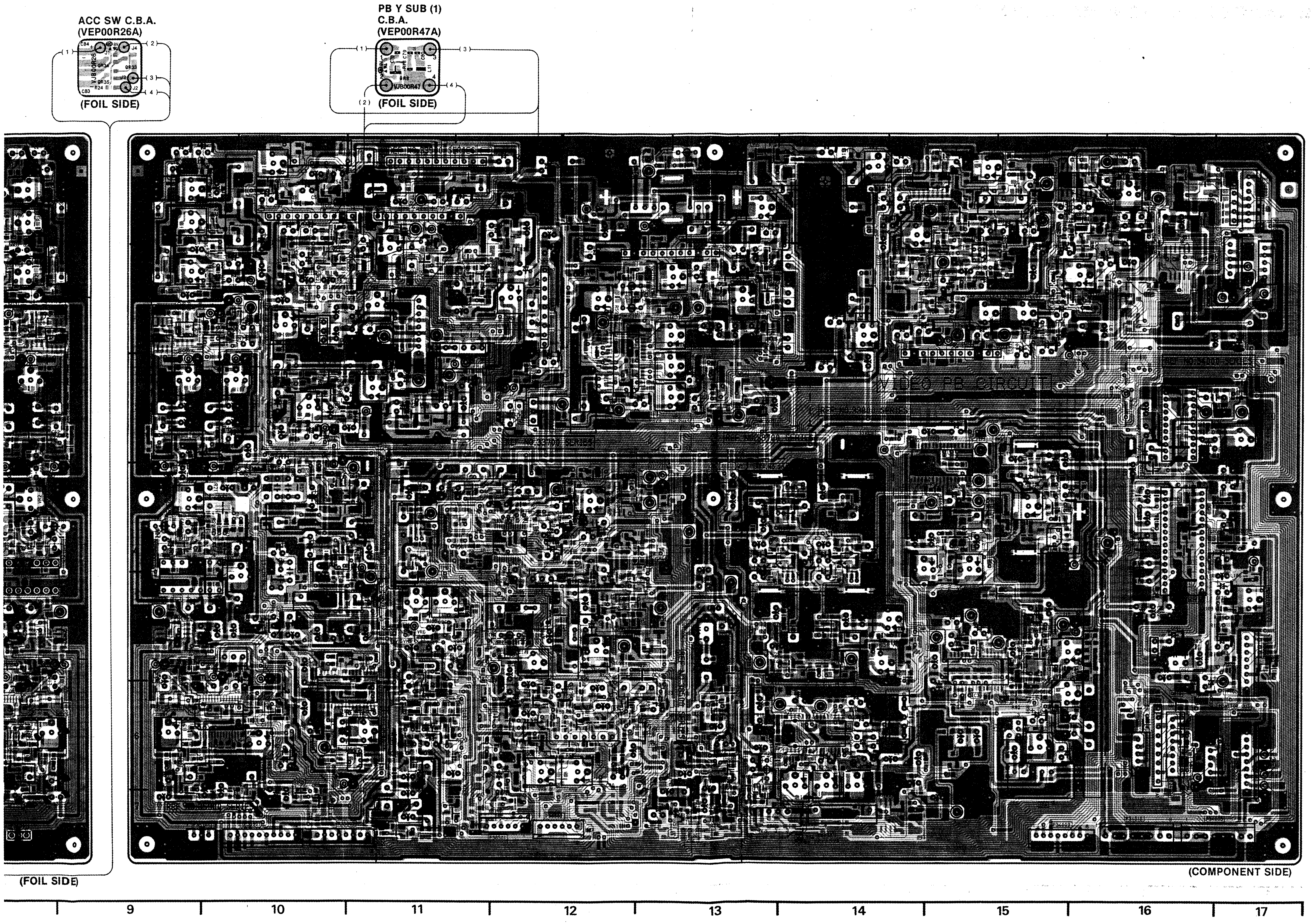
8
9


ACC SW C.B.A.
(VEP00R26A)
(FOIL SIDE)
PB Y SUB (1)
C.B.A.
(VEP00R47A)
(FOIL SIDE)
VIDEO PB CIRCUIT
(FOIL SIDE)
(COMPONENT SIDE)
9
10
11
12
13
14
15
16
17

VIDEO PB C.B.A., PB Y SUB (1) C.B.A., PB Y SUB (2) C.B.A., and ACC SW C.B.A.

Transistors		
Q33501	D-8	Ⓕ
Q33502	D-10	Ⓒ
Q33503	E-8	Ⓕ
Q33504	F-7	Ⓕ
Q33505	E-6	Ⓕ
Q33506	D-7	Ⓕ
Q33507	D-7	Ⓕ
Q33507	D-10	Ⓒ
Q33508	E-6	Ⓕ
Q33509	E-6	Ⓕ
Q33510	E-11	Ⓒ
Q33511	E-8	Ⓕ
Q33512	E-8	Ⓕ
Q33514	E-6	Ⓕ
Q33515	F-7	Ⓕ
Q33517	D-6	Ⓕ
Q33519	D-10	Ⓒ
Q33520	D-10	Ⓒ
Q33521	E-8	Ⓕ
Q33522	D-7	Ⓕ
Q33523	E-8	Ⓕ
Q33524	E-7	Ⓕ
Q33525	E-6	Ⓕ
Q33528	E-8	Ⓕ
Q33529	E-10	Ⓒ
Q33530	E-7	Ⓕ
Q33531	D-6	Ⓕ
Q33532	D-7	Ⓕ
Q33533	D-7	Ⓕ
Q33701	D-5	Ⓕ
Q33702	D-5	Ⓕ
Q33703	E-5	Ⓕ
Q33704	E-5	Ⓕ
Q33705	E-12	Ⓒ
Q33706	D-5	Ⓕ
Q33707	D-5	Ⓕ
Q33708	D-13	Ⓒ
Q33709	D-13	Ⓒ
Q33710	E-5	Ⓕ
Q33712	E-5	Ⓕ
Q33713	E-5	Ⓕ
Q33716	E-13	Ⓒ
Q33717	E-13	Ⓒ
Q33801	D-4	Ⓕ
Q33802	E-4	Ⓕ
Q33803	F-13	Ⓒ
Q33804	E-2	Ⓕ
Q33805	E-3	Ⓕ
Q33806	E-15	Ⓒ
Q33807	E-3	Ⓕ
Q33808	E-3	Ⓕ
Q33809	D-15	Ⓒ
Q33810	E-14	Ⓒ
Q33811	E-14	Ⓒ
Q33812	E-2	Ⓕ
Q33813	E-2	Ⓕ
Q33814	E-2	Ⓕ
Q33815	E-4	Ⓕ
Q33816	F-4	Ⓕ
Q33819	D-2	Ⓕ
Q33820	D-15	Ⓒ
Q33829	E-3	Ⓕ
Q33830	E-2	Ⓕ
Q33831	E-15	Ⓒ
Q33832	E-3	Ⓕ
Q33833	E-3	Ⓕ
Q33834	E-3	Ⓕ
Q34101	C-16	Ⓒ
Q34102	C-16	Ⓒ
Q34103	C-16	Ⓒ
Q34104	C-16	Ⓒ
Q34105	D-17	Ⓒ
Q34106	C-1	Ⓕ
Q34107	B-1	Ⓕ
Q34108	B-1	Ⓕ
Q34109	B-1	Ⓕ
Q35701	C-9	Ⓒ
Q35702	C-10	Ⓒ
Q35703	C-10	Ⓒ
Q35704	C-7	Ⓕ
Q35705	B-7	Ⓕ
Q35706	C-7	Ⓕ
Q35707	B-7	Ⓕ
Q35708	B-7	Ⓕ
Q35709	C-8	Ⓕ
Q35710	C-7	Ⓕ
Q35711	C-7	Ⓕ
Q35712	A-7	Ⓕ
Q35713	D-8	Ⓕ
Q35714	C-8	Ⓕ
Q35715	D-8	Ⓕ
Q35716	D-8	Ⓕ
Q35901	A-10	Ⓒ
Q35902	A-9	Ⓒ
Q35903	A-8	Ⓕ
Q35904	A-8	Ⓕ
Q35905	A-8	Ⓕ
Q38401	C-4	Ⓕ
Q38402	C-4	Ⓕ
Q38403	C-4	Ⓕ
Q38501	B-11	Ⓒ
Q38502	B-7	Ⓕ
Q38503	B-7	Ⓕ
Q38504	A-7	Ⓕ
Q38505	B-13	Ⓒ
Q38507	C-6	Ⓕ
Q38508	A-5	Ⓕ
Q38509	A-5	Ⓕ
Q38510	C-12	Ⓒ
Q38511	B-6	Ⓕ
Q38512	B-13	Ⓒ
Q38513	B-6	Ⓕ
Q38514	B-12	Ⓒ
Q38515	C-5	Ⓕ
Q38516	C-5	Ⓕ
Q38517	C-5	Ⓕ
Q38518	C-5	Ⓕ
Q38519	A-6	Ⓕ
Q38519	B-12	Ⓒ
Q38520	B-6	Ⓕ
Q38521	A-12	Ⓒ
Q38524	B-12	Ⓒ
Q38525	B-12	Ⓒ
Q38526	B-5	Ⓕ
Q38527	B-5	Ⓕ
Q38528	B-5	Ⓕ
Q38529	A-5	Ⓕ
Q38530	A-5	Ⓕ
Q38531	A-5	Ⓕ
Q38532	A-5	Ⓕ
Q38533	B-5	Ⓕ
Q38535	A-6	Ⓕ
Q38536	A-6	Ⓕ
Q38538	C-6	Ⓕ
Q38539	B-11	Ⓒ
Q38540	B-7	Ⓕ
Q38541	B-6	Ⓕ
Q38542	B-7	Ⓕ
Q38543	A-6	Ⓕ
Q38544	A-5	Ⓕ
Q38545	B-6	Ⓕ
Q38546	B-11	Ⓒ
Q38547	B-7	Ⓕ
Q38548	B-11	Ⓒ
Q38549	B-11	Ⓒ
Q38701	A-4	Ⓕ
Q38702	A-4	Ⓕ
Q38705	B-4	Ⓕ
Q38706	B-4	Ⓕ
Q38707	B-4	Ⓕ
Q38708	B-4	Ⓕ
Q38709	B-15	Ⓒ
Q38710	B-14	Ⓒ
Q38711	A-3	Ⓕ
Q38712	C-2	Ⓕ
Q38712	B-14	Ⓒ
Q38713	B-2	Ⓕ
Q38714	B-2	Ⓕ
Q38715	C-15	Ⓒ
Q38716	B-15	Ⓒ
Q38718	C-15	Ⓒ
Q38719	C-15	Ⓒ
Q38720	B-3	Ⓕ
Q38721	B-2	Ⓕ
Q38722	B-2	Ⓕ
Q38724	C-15	Ⓒ
Q38725	C-3	Ⓕ
Q38726	C-3	Ⓕ
Q38727	C-3	Ⓕ
Q38728	C-3	Ⓕ
Q38729	B-3	Ⓕ
Q38730	B-3	Ⓕ
Q38731	B-4	Ⓕ

Transistor & Resistors		
QR33501	E-6	Ⓕ
QR33502	E-10	Ⓒ
QR33503	E-10	Ⓒ
QR33504	E-10	Ⓒ
QR33505	D-7	Ⓕ
QR33506	E-7	Ⓕ
QR33507	F-7	Ⓕ
QR33508	F-11	Ⓕ
QR33701	E-5	Ⓕ
QR33702	D-13	Ⓒ
QR33703	E-12	Ⓒ
QR33704	E-12	Ⓒ
QR33802	D-2	Ⓕ
QR33803	E-2	Ⓕ
QR33804	E-3	Ⓕ
QR33805	E-15	Ⓒ
QR34001	E-1	Ⓕ
QR34002	E-1	Ⓕ
QR34003	E-16	Ⓒ
QR34004	B-16	Ⓒ
QR34005	A-1	Ⓕ
QR34006	E-2	Ⓕ
QR34006	A-17	Ⓒ
QR34007	A-1	Ⓕ
QR34008	B-17	Ⓒ
QR34009	B-1	Ⓕ
QR34010	B-16	Ⓒ
QR34011	E-16	Ⓒ
QR34012	D-2	Ⓕ
QR34013	E-2	Ⓕ
QR34101	C-1	Ⓕ
QR34102	C-1	Ⓕ
QR35701	C-8	Ⓕ
QR35901	B-9	Ⓒ
QR35902	B-8	Ⓕ
QR35903	B-8	Ⓕ
QR35904	B-8	Ⓕ
QR35905	B-8	Ⓕ
QR35906	B-10	Ⓒ
QR35907	B-8	Ⓕ
QR35908	A-10	Ⓒ
QR35909	A-7	Ⓕ
QR35910	B-8	Ⓕ
QR38501	B-6	Ⓕ
QR38502	C-7	Ⓕ
QR38503	C-5	Ⓕ
QR38504	C-5	Ⓕ
QR38505	B-12	Ⓒ
QR38506	B-6	Ⓕ
QR38506	B-12	Ⓒ
QR38507	C-11	Ⓒ
QR38508	A-13	Ⓒ
QR38509	A-4	Ⓕ
QR38510	A-11	Ⓒ
QR38511	B-13	Ⓒ
QR38512	A-6	Ⓕ
QR38513	A-6	Ⓕ
QR38514	A-6	Ⓕ
QR38515	A-6	Ⓕ
QR38516	C-6	Ⓕ
QR38517	B-11	Ⓒ
QR38518	A-6	Ⓕ
QR38520	B-6	Ⓕ
QR38521	B-6	Ⓕ
QR38522	B-7	Ⓕ
QR38523	B-6	Ⓕ
QR38524	A-7	Ⓕ
QR38525	A-11	Ⓒ
QR38526	B-11	Ⓒ
QR38528	B-5	Ⓕ
QR38529	A-5	Ⓕ
QR38530	A-6	Ⓕ
QR38531	A-11	Ⓒ
QR38532	C-11	Ⓒ
QR38533	F-9	Ⓕ
QR38534	A-6	Ⓕ
QR38534	F-9	Ⓒ
QR38535	F-9	Ⓒ
QR38701	A-3	Ⓕ

Integrated circuits		
IC33501	E-8	Ⓕ
IC33501	E-10	Ⓒ
IC33502	E-7	Ⓕ
IC33502	E-11	Ⓒ
IC33503	E-6	Ⓕ
IC33503	D-12	Ⓒ
IC33504	E-7	Ⓕ
IC33504	D-11	Ⓒ
IC33505	E-7	Ⓕ
IC33505	E-11	Ⓒ
IC33701	D-12	Ⓒ
IC33702	E-5	Ⓕ
IC33702	E-12	Ⓒ
IC33703	E-5	Ⓕ
IC33703	E-13	Ⓒ
IC33802	E-15	Ⓒ
IC33803	E-15	Ⓒ
IC33804	E-1	Ⓕ
IC33805	D-3	Ⓕ
IC33805	D-15	Ⓒ
IC33806	E-15	Ⓒ
IC34101	B-2	Ⓕ
IC34101	B-16	Ⓒ
IC34102	C-1	Ⓕ
IC34102	C-16	Ⓒ
IC34103	D-1	Ⓕ
IC34103	D-16	Ⓒ
IC35701	C-8	Ⓕ
IC35701	B-10	Ⓒ
IC35703	B-11	Ⓒ
IC35704	B-11	Ⓒ
IC35705	D-8	Ⓕ
IC35706	C-10	Ⓒ
IC35707	B-8	Ⓕ
IC35708	C-7	Ⓕ
IC35709	D-9	Ⓒ
IC38401	C-14	Ⓒ
IC38402	C-14	Ⓒ
IC38403	C-14	Ⓒ
IC38501	C-12	Ⓒ
IC38502	B-6	Ⓕ
IC38503	C-5	Ⓕ
IC38504	C-5	Ⓕ
IC38505	C-7	Ⓕ
IC38506	B-6	Ⓕ
IC38506	A-12	Ⓒ
IC38507	B-5	Ⓕ
IC38508	C-6	Ⓕ
IC38508	B-12	Ⓒ
IC38509	C-6	Ⓕ
IC38509	C-12	Ⓒ
IC38701	A-1	Ⓕ
IC38701	C-15	Ⓒ
IC38702	B-14	Ⓒ
IC38703	B-15	Ⓒ
IC38704	A-15	Ⓒ
IC38705	C-15	Ⓒ
IC38707	A-4	Ⓕ

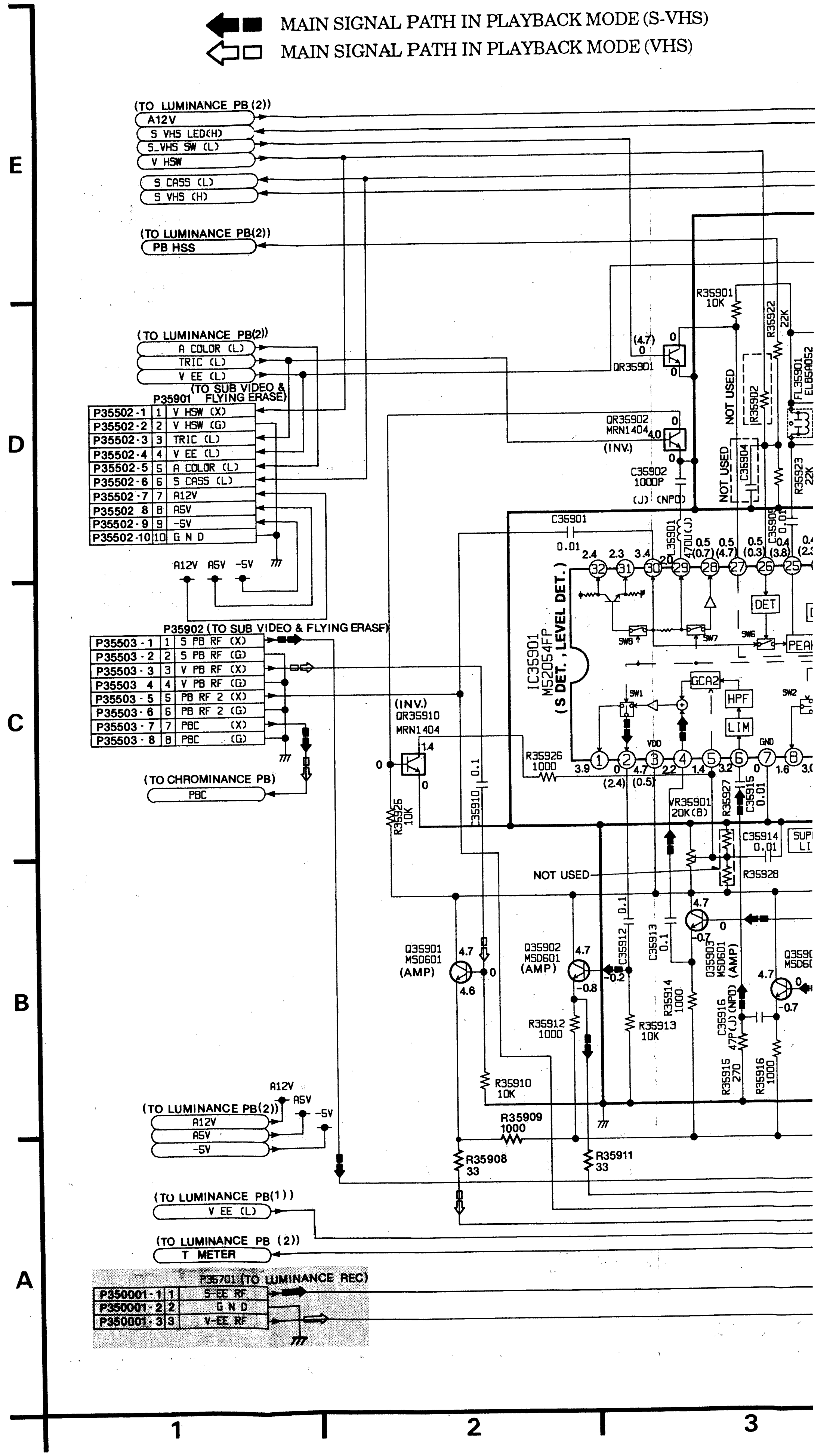
Test Points		
TP33501	D-7	Ⓕ
TP33501	D-11	Ⓒ
TP33502	D-7	Ⓕ
TP33502	D-11	Ⓒ
TP33503	D-7	Ⓕ
TP33503	D-11	Ⓒ
TP33504	E-7	Ⓕ
TP33504	E-11	Ⓒ
TP33505	E-7	Ⓕ
TP33505	E-11	Ⓒ
TP33506	D-6	Ⓕ
TP33506	D-11	Ⓒ
TP33701	D-4	Ⓕ
TP33701	D-13	Ⓒ
TP33702	D-5	Ⓕ
TP33702	D-12	Ⓒ
TP33703	E-5	Ⓕ
TP33703	D-13	Ⓒ
TP33704	F-13	Ⓒ
TP33705	E-5	Ⓕ
TP33705	D-13	Ⓒ
TP33706	E-5	Ⓕ
TP33706	D-12	Ⓒ
TP33707	D-6	Ⓕ
TP33707	D-12	Ⓒ
TP33801	E-2	Ⓕ
TP33801	E-15	Ⓒ
TP33802	E-3	Ⓕ
TP33802	E-15	Ⓒ
TP33803	E-2	Ⓕ
TP33803	E-15	Ⓒ
TP33804	E-2	Ⓕ
TP33804	E-16	Ⓒ
TP33805	E-2	Ⓕ
TP33805	F-16	Ⓒ
TP33806	D-3	Ⓕ
TP33806	D-15	Ⓒ
TP33807	D-3	Ⓕ
TP33807	D-15	Ⓒ
TP33808	E-3	Ⓕ
TP33808	E-15	Ⓒ
TP34101	D-1	Ⓕ
TP34101	D-16	Ⓒ
TP34102	D-1	Ⓕ
TP34102	D-17	Ⓒ
TP34103	B-1	Ⓕ
TP34103	B-17	Ⓒ
TP35702	C-7	Ⓕ
TP35702	C-11	Ⓒ
TP35703	B-8	Ⓕ
TP35703	C-9	Ⓒ
TP35704	B-7	Ⓕ
TP35704	B-10	Ⓒ
TP35705	D-8	Ⓕ
TP35705	D-10	Ⓒ
TP35706	C-7	Ⓕ
TP35706	C-11	Ⓒ
TP38501	C-5	Ⓕ
TP38501	C-13	Ⓒ
TP38502	C-7	Ⓕ
TP38502	C-11	Ⓒ
TP38503	B-6	Ⓕ
TP38503	B-11	Ⓒ
TP38505	B-5	Ⓕ
TP38505	B-13	Ⓒ
TP38506	C-6	Ⓕ
TP38506	C-12	Ⓒ
TP38507	C-5	Ⓕ
TP38507	C-13	Ⓒ
TP38509	C-7	Ⓕ
TP38509	C-11	Ⓒ
TP38510	B-4	Ⓕ
TP38510	B-13	Ⓒ
TP38511	C-5	Ⓕ
TP38511	C-13	Ⓒ
TP38512	C-5	Ⓕ
TP38512	C-13	Ⓒ
TP38513	B-5	Ⓕ
TP38513	B-12	Ⓒ
TP38701	D-3	Ⓕ
TP38701	D-15	Ⓒ
TP38702	B-4	Ⓕ
TP38702	B-13	Ⓒ
TP38703	B-4	Ⓕ
TP38703	B-14	Ⓒ
TP38704	A-3	Ⓕ
TP38704	A-15	Ⓒ
TP38705	B-3	Ⓕ
TP38705	B-15	Ⓒ
TP38706	D-3	Ⓕ
TP38706	D-15	Ⓒ
TP38707	C-2	Ⓕ
TP38707	C-16	Ⓒ
TP38708	B-3	Ⓕ
TP38708	B-15	Ⓒ
TP38711	C-3	Ⓕ
TP38711	C-15	Ⓒ
TP38712	B-2	Ⓕ
TP38712	B-15	Ⓒ
TP38713	B-3	Ⓕ
TP38713	B-15	Ⓒ
TP38714	B-4	Ⓕ
TP38714	B-14	Ⓒ
TP38715	C-3	Ⓕ
TP38715	C-15	Ⓒ
TP38716	C-3	Ⓕ
TP38716	C-15	Ⓒ
TPG33701	D-4	Ⓕ
TPG33701	D-13	Ⓒ
TPG38501	C-5	Ⓕ
TPG38501	C-13	Ⓒ
TPG38502	C-5	Ⓕ
TPG38502	C-13	Ⓒ
TPG38503	B-5	Ⓕ
TPG38503	B-13	Ⓒ
TPG38701	B-4	Ⓕ
TPG38701	C-13	Ⓒ
TPG38702	A-3	Ⓕ
TPG38702	A-15	Ⓒ
TPG38703	D-4	Ⓕ
TPG38703	C-14	Ⓒ

Adjustments		
CT34101	B-1	Ⓕ
CT38501	B-13	Ⓒ
VR33501	D-8	Ⓕ
VR33501	D-10	Ⓒ
VR33502	D-7	Ⓕ
VR33502	D-11	Ⓒ
VR33503	E-7	Ⓕ
VR33503	E-11	Ⓒ
VR33504	D-10	Ⓒ
VR33505	E-6	Ⓕ
VR33505	E-12	Ⓒ
VR33506	E-8	Ⓕ
VR33506	E-9	Ⓒ
VR33507	E-8	Ⓕ
VR33507	E-9	Ⓒ
VR33508	E-8	Ⓕ
VR33508	E-9	Ⓒ
VR33509	F-10	Ⓒ
VR35510	E-7	Ⓕ
VR33702	E-6	Ⓕ
VR33702	E-12	Ⓒ
VR33703	D-5	Ⓕ
VR33703	D-13	Ⓒ
VR33704	D-5	Ⓕ
VR33704	D-13	Ⓒ
VR33705	D-5	Ⓕ
VR33705	D-13	Ⓒ
VR33707	E-5	Ⓕ
VR33707	E-13	Ⓒ
VR33709	E-13	Ⓒ
VR33802	D-4	Ⓕ
VR33802	D-14	Ⓒ
VR33803	E-14	Ⓒ
VR33804	E-2	Ⓕ
VR33804	E-16	Ⓒ
VR33805	F-3	Ⓕ
VR33805	F-15	Ⓒ
VR33806	D-14	Ⓒ
VR33807	E-3	Ⓕ
VR33809	D-3	Ⓕ
VR33809	D-15	Ⓒ
VR33812	D-3	Ⓕ
VR33812	D-15	Ⓒ
VR33813	E-2	Ⓕ
VR33813	E-16	Ⓒ
VR34101	D-1	Ⓕ
VR34101	D-17	Ⓒ
VR34102	B-17	Ⓒ
VR35701	C-8	Ⓕ
VR35701	C-10	Ⓒ
VR35702	C-8	Ⓕ
VR35703	B-7	Ⓕ
VR35704	D-8	Ⓕ
VR35705	D-8	Ⓕ
VR35705	D-10	Ⓒ
VR35706	D-8	Ⓕ
VR35706	D-9	Ⓒ
VR35901	B-8	Ⓕ
VR35901	B-9	Ⓒ
VR35902	B-8	Ⓕ
VR35902	A-10	Ⓒ
VR38501	B-6	Ⓕ
VR38501	B-12	Ⓒ
VR38502	C-6	Ⓕ
VR38502	C-12	Ⓒ
VR38505	B-5	Ⓕ
VR38505	B-12	Ⓒ
VR38506	B-11	Ⓒ
VR38507	C-7	Ⓕ
VR38507	C-11	Ⓒ
VR38508	A-6	Ⓕ
VR38508	A-12	Ⓒ
VR38509	A-6	Ⓕ
VR38509	A-12	Ⓒ
VR38704	A-4	Ⓕ
VR38704	A-14	Ⓒ
VR38705	A-4	Ⓕ
VR38705	A-14	Ⓒ
VR38706	A-4	Ⓕ
VR38706	A-14	Ⓒ
VR38707	B-3	Ⓕ
VR38707	B-14	Ⓒ
VR38708	B-4	Ⓕ
VR38708	B-14	Ⓒ
VR38709	C-3	Ⓕ
VR38709	C-14	Ⓒ
VR38710	A-2	Ⓕ
VR38710	B-15	Ⓒ
VR38711	C-2	Ⓕ
VR38711	C-15	Ⓒ
VR38713	B-2	Ⓕ
VR38713	B-15	Ⓒ
VR38714	B-2	Ⓕ
VR38716	C-3	Ⓕ
VR38716	C-15	Ⓒ

Connectors		
P34001	B-2	Ⓕ
P34001	A-16	Ⓒ
P34002	E-1	Ⓕ
P34002	E-17	Ⓒ
P34003	A-1	Ⓕ
P34003	A-17	Ⓒ
P34004	E-1	Ⓕ
P34004	E-17	Ⓒ
P34005	A-2	Ⓕ
P34005	A-16	Ⓒ
P34006	B-1	Ⓕ
P34006	B-17	Ⓒ
P34007	A-1	Ⓕ
P34007	A-17	Ⓒ
P34008	A-1	Ⓕ
P34008	A-16	Ⓒ
P34009	A-2	Ⓕ
P34009	A-15	Ⓒ
P34010	A-2	Ⓕ
P34010	A-16	Ⓒ
P34011	E-1	Ⓕ
P34011	E-16	Ⓒ
P34012	D-1	Ⓕ
P34012	D-16	Ⓒ
P35701	A-8	Ⓕ
P35701	A-9	Ⓒ
P35901	A-8	Ⓕ
P35901	A-10	Ⓒ
P35902	A-7	Ⓕ
P35902	A-10	Ⓒ
P38501	A-6	Ⓕ
P38501	A-12	Ⓒ
P38502	A-6	Ⓕ
P38502	A-12	Ⓒ

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

RF PB SCHEMATIC DIAGRAM



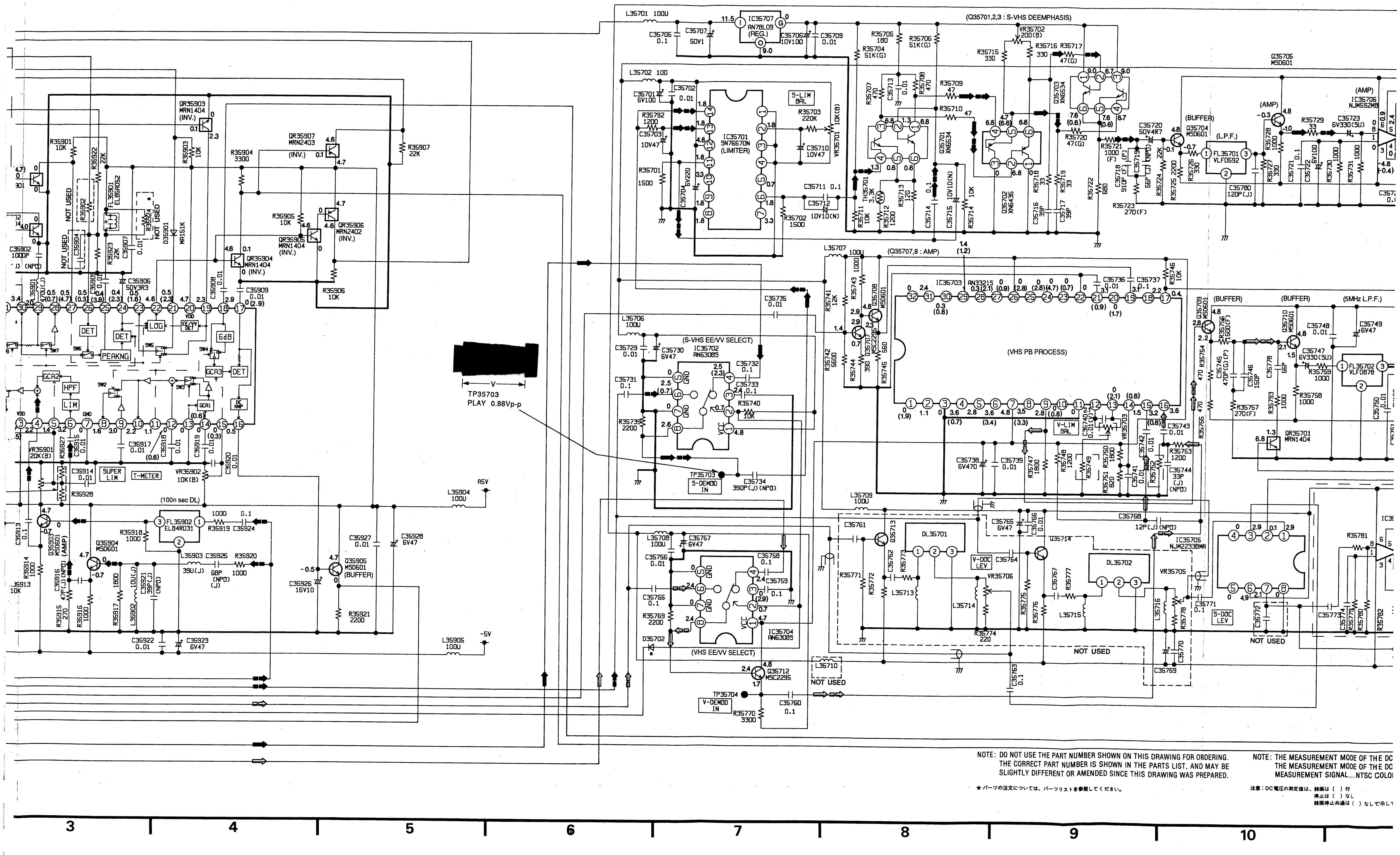
MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)
MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)
(TO LUMINANCE PB (2))
A12V
S VHS LED(H)
S_VHS SW (L)
V HSW
S CASS (L)
S VHS (H)
(TO LUMINANCE PB(2))
PB HSS
(TO LUMINANCE PB(2))
A COLOR (L)
TRIC (L)
V EE (L)
P35901 (TO SUB VIDEO & FLYING ERASE)
P35502-1 V HSW (X)
P35502-2 V HSW (G)
P35502-3 TRIC (L)
P35502-4 V EE (L)
P35502-5 A COLOR (L)
P35502-6 S CASS (L)
P35502-7 A12V
P35502-8 A5V
P35502-9 -5V
P35502-10 G N D
A12V A5V -5V
P35902 (TO SUB VIDEO & FLYING ERASE)
P35503-1 S PB RF (X)
P35503-2 S PB RF (G)
P35503-3 V PB RF (X)
P35503-4 V PB RF (G)
P35503-5 PB RF 2 (X)
P35503-6 PB RF 2 (G)
P35503-7 PBC (X)
P35503-8 PBC (G)
(TO CHROMINANCE PB)
PBC
(TO LUMINANCE PB(2))
A12V
A5V
-5V
(TO LUMINANCE PB(1))
V EE (L)
(TO LUMINANCE PB (2))
T METER
P35701 (TO LUMINANCE REC)
P350001-1 S-EE RF
P350001-2 G N D
P350001-3 V-EE RF
QR35901
QR35902 MRN1404
(INV.)
(INV.) QR35910 MRN1404
R35901 10K
R35922 22K
R35923 22K
NOT USED
FL35901 ELB5A052
C35902 1000P
C35901 0.01
IC35901 M52054FP (S DET., LEVEL DET.)
DET
HPF
LIM
GCA2
PEAK
R35926 1000
R35925 10K
C35910 0.1
VR35901 20K(B)
R35927
C35915 0.01
C35914 0.01
R35928
Q35901 MSD601 (AMP)
Q35902 MSD601 (AMP)
Q35903 MSD601 (AMP)
C35912 0.1
C35913 0.1
R35914 1000
R35912 1000
R35913 10K
C35916 47P(J) (NPO)
R35915 270
R35916 1000
R35910 10K
R35909 1000
R35908 33
R35911 33
E
D
C
B
A
1
2
3

(S-VHS)

(VHS)

MAIN SIGNAL PATH IN REC MODE (S-VHS)

MAIN SIGNAL PATH IN REC MODE (VHS)



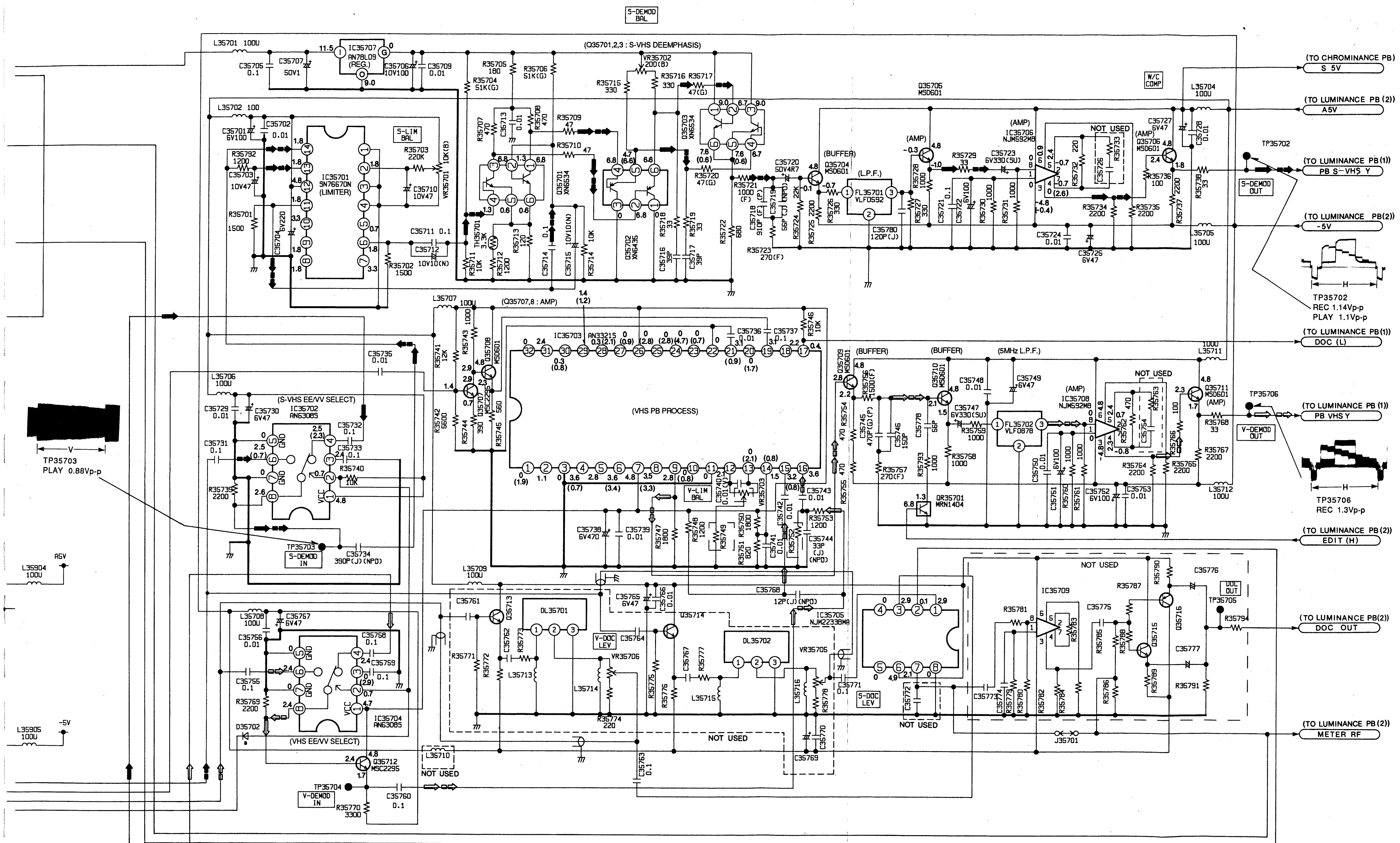
S-DEMOD BAL
(Q35701,2,3 : S-VHS DEEMPHASIS)
IC35707 AN78L09 (REG.)
IC35701 SN76670N (LIMITER)
S-LIM BAL
VR35701 10K(B)
VR35702 200(B)
Q35701 XN6534
Q35702 XN6435
Q35703 XN6534
Q35704 MSD601 (BUFFER)
Q35705 MSD601 (AMP)
FL35701 VLF0592 (L.P.F.)
IC35706 NJM592M8 (AMP)
QR35903 MRN1404 (INV.)
QR35907 MRN2403 (INV.)
QR35904 MRN1404 (INV.)
QR35905 MRN1404 (INV.)
QR35906 MRN2402 (INV.)
FL35901 ELBA052
D35901 MA151K
NOT USED
DET
PEAKNG
LOG
EE/VV DET
6dB
GCA2
GCA3
HPF
LIM
GCA1
DC AMP
SUPER LIM
T-METER
VR35901 20K(B)
VR35902 10K(B)
(100n sec DL)
FL35902 ELB4R031
Q35903 MSD601 (AMP)
Q35904 MSD601
Q35905 MSD601 (BUFFER)
A5V
-5V
L35904 100U
L35905 100U
TP35703 PLAY 0.88Vp-p
V
(S-VHS EE/VV SELECT)
IC35702 AN63085
TP35703 S-DEMOD IN
(Q35707,8 : AMP)
IC35703 AN33215
(VHS PB PROCESS)
Q35707 MSC2295
Q35708 MSD601
V-LIM BAL
VR35703
Q35709 MSD601 (BUFFER)
Q35710 MSD601 (BUFFER)
(5MHz L.P.F.)
FL35702 VLF0678
QR35701 MRN1404
IC35704 AN63085
(VHS EE/VV SELECT)
D35702
Q35712 MSC2295
TP35704 V-DEMOD IN
L35710 NOT USED
Q35713
DL35701
V-DOC LEV
VR35706
Q35714
DL35702
IC35705 NJM2233BMA
VR35705
S-DOC LEV
NOT USED
3
4
5
6
7
8
9
10

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE
SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★ パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE OF THE DC
THE MEASUREMENT MODE OF THE DC
MEASUREMENT SIGNAL...NTSC COLO

注意：DC電圧の測定値は、録画は（ ）付
停止は（ ）なし
録画停止共通は（ ）なしで示し


S-DEMOD BAL
(Q35701,2,3 : S-VHS DEEMPHASIS)
IC35707 AN78L09 (REG.)
L35701 100U
L35702 100
IC35701 SN76670N (LIMITER)
S-LIM BAL
VR35701 10K(B)
VR35702 200(B)
Q35701 XN6534
Q35702 XN6435
Q35703 XN6534
TH35701 3.3K
W/C COMP
(BUFFER) Q35704 M5D601
(L.P.F.) FL35701 VLF0592
(AMP) Q35705 M5D601
(AMP) IC35706 NJM592M8
NOT USED
(AMP) Q35706 M5D601
L35704 100U
L35705 100U
TP35702
S-DEMOD OUT
(TO CHROMINANCE PB) S 5V
(TO LUMINANCE PB(2)) A5V
(TO LUMINANCE PB(1)) PB S-VHS Y
(TO LUMINANCE PB(2)) -5V
TP35702 REC 1.14Vp-p PLAY 1.1Vp-p
H
L35707 100U
(Q35707,8 : AMP)
IC35703 AN3321S
(VHS PB PROCESS)
Q35707 M5C2295
Q35708 M5D601
(TO LUMINANCE PB(1)) DOC (L)
L35711 100U
(BUFFER) Q35709 M5D601
(BUFFER) Q35710 M5D601
(5MHz L.P.F.)
FL35702 VLF0878
(AMP) IC35708 NJM592M8
Q35711 M5D601 (AMP)
TP35706
V-DEMOD OUT
(TO LUMINANCE PB (1)) PB VHS Y
TP35706 REC 1.3Vp-p
QR35701 MRN1404
L35712 100U
V-LIM BAL
VR35703
(TO LUMINANCE PB(2)) EDIT (H)
L35706 100U
(S-VHS EE/VV SELECT)
IC35702 AN63085
TP35703 PLAY 0.88Vp-p
V
TP35703 S-DEMOD IN
A5V
L35904 100U
L35905 100U
-5V
L35708 100U
IC35704 AN63085
(VHS EE/VV SELECT)
D35702
Q35712 M5C2295
TP35704 V-DEMOD IN
L35710 NOT USED
L35709 100U
Q35713
DL35701
V-DOC LEV
VR35706
Q35714
DL35702
VR35705
IC35705 NJM2233BM
S-DOC LEV
NOT USED
IC35709
Q35715
Q35716
DOC OUT
TP35705
(TO LUMINANCE PB(2)) DOC OUT
(TO LUMINANCE PB(2)) METER RF
J35701

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
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SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★ パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (　) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

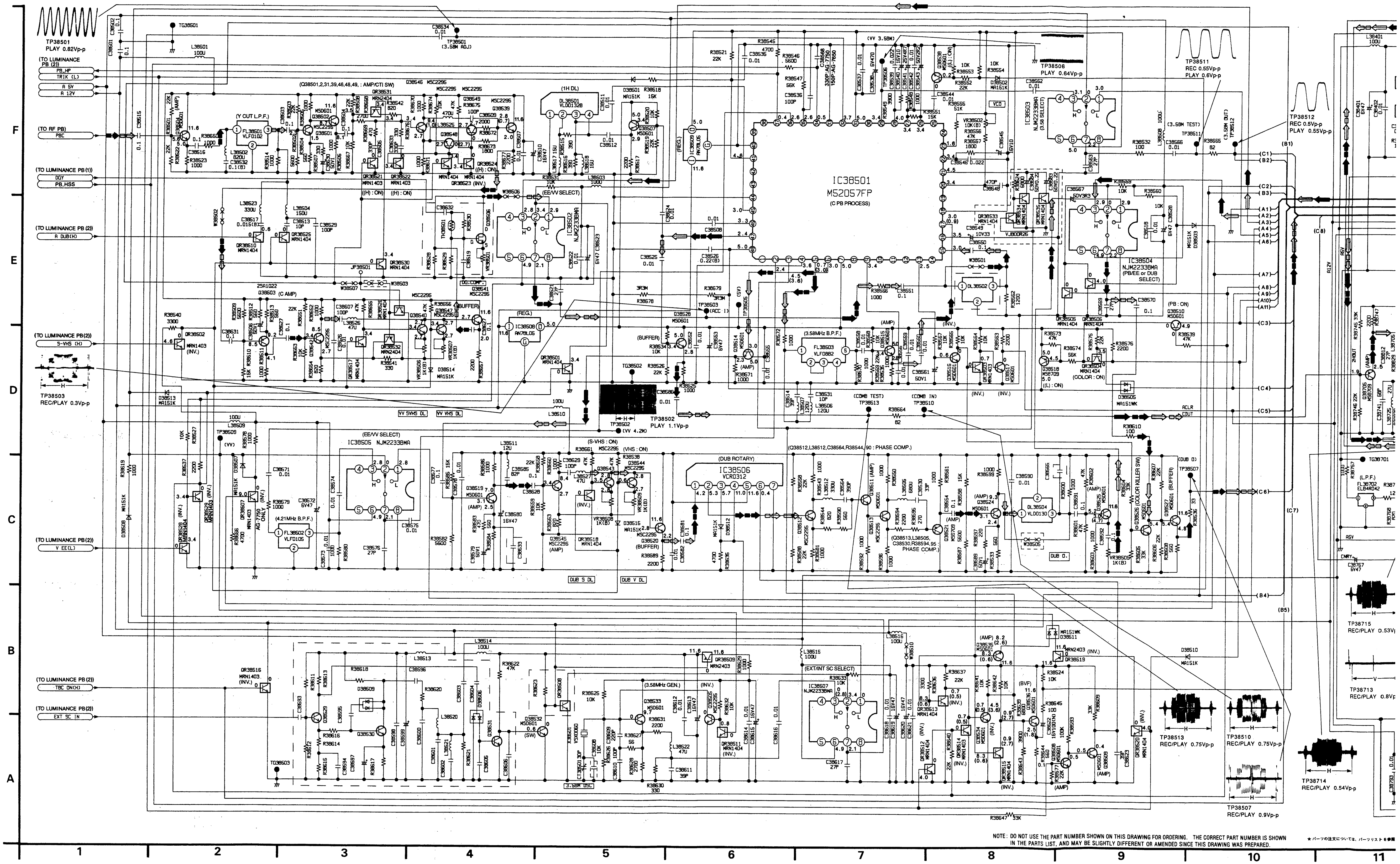
注意：DC電圧の測定値は、録画は（ ）付
停止は（ ）なし
録画停止共通は（ ）なしで示してあります。

6 7 8 9 10 11 12

CHROMINANCE PB SCHEMATIC DIAGRAM

◀■ MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)
◁□ MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)

◀ MAIN SIGNAL PATH IN REC MODE (S-VHS)
◁ MAIN SIGNAL PATH IN REC MODE (VHS)



TP38501 PLAY 0.82Vp-p
(TO LUMINANCE PB (2))
PB.HP
TRIK (L)
A 5V
A 12V
(TO RF PB)
PBC
(TO LUMINANCE PB (1))
DGY
PB.HSS
(TO LUMINANCE PB (2))
A DUB(H)
(TO LUMINANCE PB(2))
S-VHS (H)
TP38503 REC/PLAY 0.3Vp-p
(TO LUMINANCE PB(2))
V EE(L)
(TO LUMINANCE PB(2))
TBC ON(H)
(TO LUMINANCE PB(2))
EXT SC IN
TP38501 (3.58M ADJ)
(Y CUT L.P.F.)
(1H DL)
(EE/VV SELECT)
IC38502 NJM2233BMA
IC38501 M52057FP (C PB PROCESS)
IC38503 NJM2233BMA (3.58 SELECT)
IC38504 NJM2233BMA (PB/EE or DUB SELECT)
IC38508 AN78L05 (REG.)
IC38509 AN78L05 (REG.)
(C AMP)
(BUFFER)
TP38502 PLAY 1.1Vp-p
TP38506 PLAY 0.64Vp-p
TP38511 REC 0.55Vp-p PLAY 0.6Vp-p
TP38512 REC 0.5Vp-p PLAY 0.55Vp-p
(3.58MHz B.P.F.)
(COMB TEST) TP38513
(COMB IN) TP38510
IC38505 NJM2233BMA (EE/VV SELECT)
(4.21MHz B.P.F.)
(DUB ROTARY) IC38506 VCR0312
(S-VHS : ON) (VHS : ON)
(Q38512,L38512,C38564,R38544,90 : PHASE COMP.)
(Q38513,L38505, C38530,R38594,95 : PHASE COMP.)
(COLOR KILLER SW)
(DUB ON) TP38507
(3.58MHz GEN.)
(EXT/INT SC SELECT) IC38507 NJM2233BMA
3.58M OSC
DUB S DL
DUB V DL
VV SVHS DL
VV VHS DL
DUB O.
TP38715 REC/PLAY 0.53V
TP38713 REC/PLAY 0.8V
TP38513 REC/PLAY 0.75Vp-p
TP38510 REC/PLAY 0.75Vp-p
TP38714 REC/PLAY 0.54Vp-p
TP38507 REC/PLAY 0.9Vp-p
(C1) (B2) (C2) (B3) (A1) (A2) (A3) (A4) (A5) (A6) (A7) (A8) (A9) (A10) (A11) (C3) (C4) (C5) (C6) (C7) (C8) (B1) (B4) (B5)
F
E
D
C
B
A
1
2
3
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7
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9
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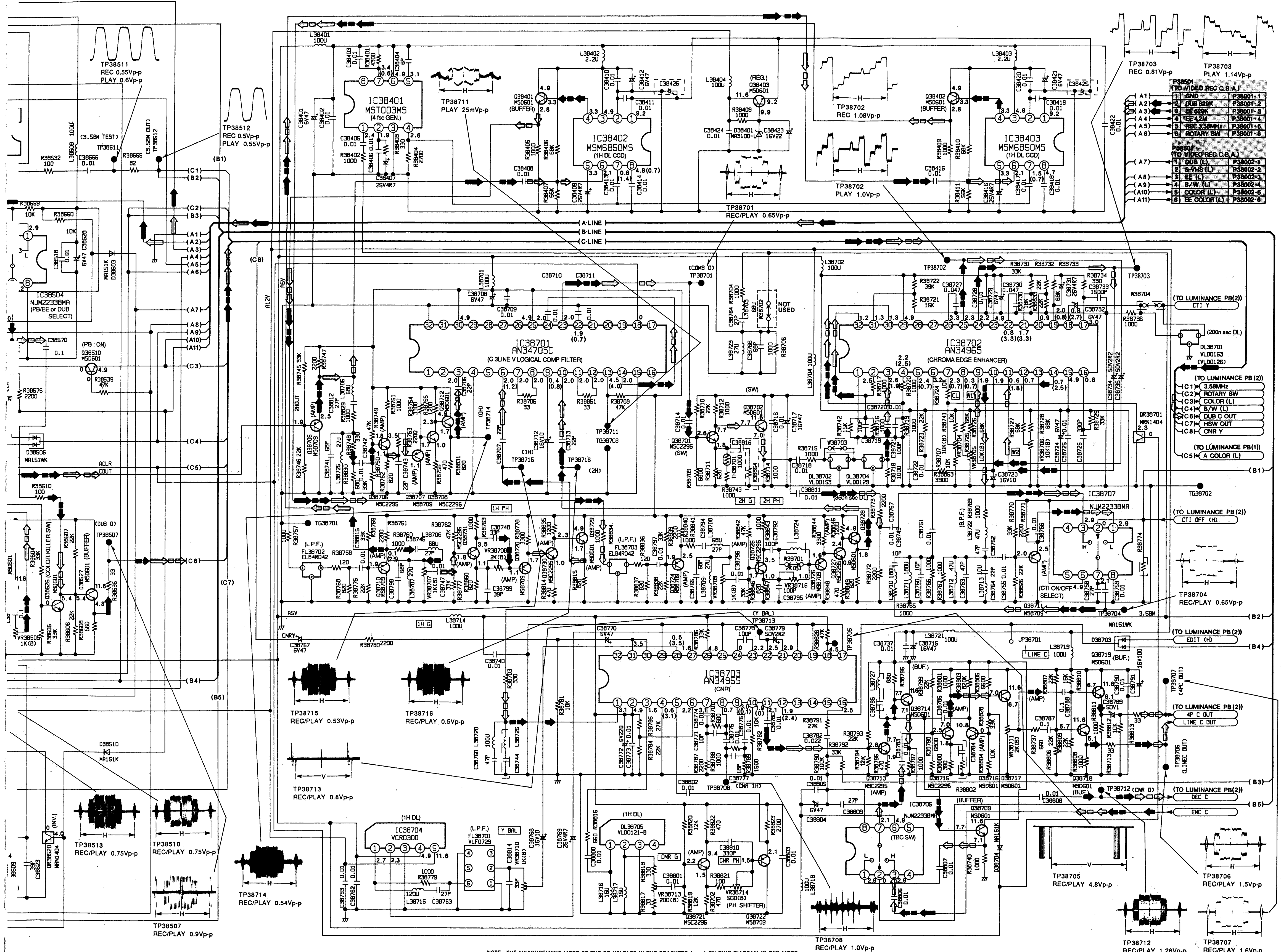
11

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★パーツの注文については、パーツリスト を参

N SIGNAL PATH IN REC MODE (S-VHS)
'' SIGNAL PATH IN REC MODE (VHS)



TP38511
REC 0.55Vp-p
PLAY 0.6Vp-p
TP38512
REC 0.5Vp-p
PLAY 0.55Vp-p
IC38401
MST003MS
(4 fsc GEN.)
TP38711
PLAY 25mVp-p
IC38402
MSM6850MS
(1H DL CCD)
IC38403
MSM6850MS
(1H DL CCD)
TP38702
REC 1.08Vp-p
TP38702
PLAY 1.0Vp-p
TP38701
REC/PLAY 0.65Vp-p
TP38703
REC 0.81Vp-p
TP38703
PLAY 1.14Vp-p
P38501
(TO VIDEO REC C.B.A.)
1 GND P38001-1
2 DUB 629K P38001-2
3 EE 629K P38001-3
4 EE 4.2M P38001-4
5 REC 3.58MHz P38001-5
6 ROTARY SW P38001-6
P38502
(TO VIDEO REC C.B.A.)
1 DUB (L) P38002-1
2 S-VHS (L) P38002-2
3 EE (L) P38002-3
4 B/W (L) P38002-4
5 COLOR (L) P38002-5
6 EE COLOR (L) P38002-6
A-LINE
B-LINE
C-LINE
IC38504
NJM2233BMA
(PB/EE or DUB SELECT)
IC38701
AN3470SC
(C 3LINE V.LOGICAL COMP FILTER)
IC38702
AN3496S
(CHROMA EDGE ENHANCER)
(TO LUMINANCE PB(2))
CTI Y
(TO LUMINANCE PB(2))
3.58MHz
ROTARY SW
COLOR (L)
B/W (L)
DUB C OUT
HSW OUT
CNR Y
(TO LUMINANCE PB(1))
A COLOR (L)
IC38707
NJM2233BMA
(TO LUMINANCE PB(2))
CTI OFF (H)
TP38704
REC/PLAY 0.65Vp-p
(TO LUMINANCE PB(2))
EDIT (H)
IC38703
AN3495S
(CNR)
(TO LUMINANCE PB(2))
4P C OUT
LINE C OUT
(TO LUMINANCE PB(2))
DEC C
ENC C
TP38715
REC/PLAY 0.53Vp-p
TP38716
REC/PLAY 0.5Vp-p
TP38713
REC/PLAY 0.8Vp-p
TP38513
REC/PLAY 0.75Vp-p
TP38510
REC/PLAY 0.75Vp-p
TP38507
REC/PLAY 0.9Vp-p
TP38714
REC/PLAY 0.54Vp-p
IC38704
VCR0300
(1H DL)
DL38705
VL00121-8
IC38705
NJM2233BM
(TBC SW)
TP38705
REC/PLAY 4.8Vp-p
TP38706
REC/PLAY 1.5Vp-p
TP38708
REC/PLAY 1.0Vp-p
TP38712
REC/PLAY 1.26Vp-p
TP38707
REC/PLAY 1.6Vp-p

IN THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN
..TLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

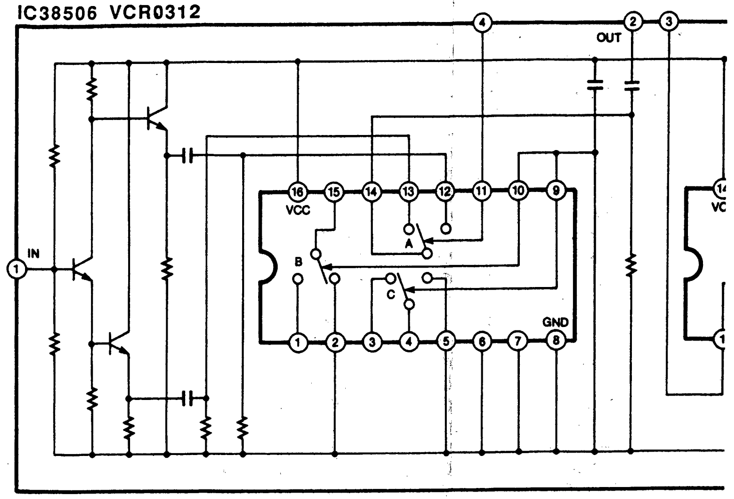
★パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

注意：DC電圧の測定値は、録画は（ ）付
停止は（ ）なし
録画停止共通は（ ）なしで示してあります。

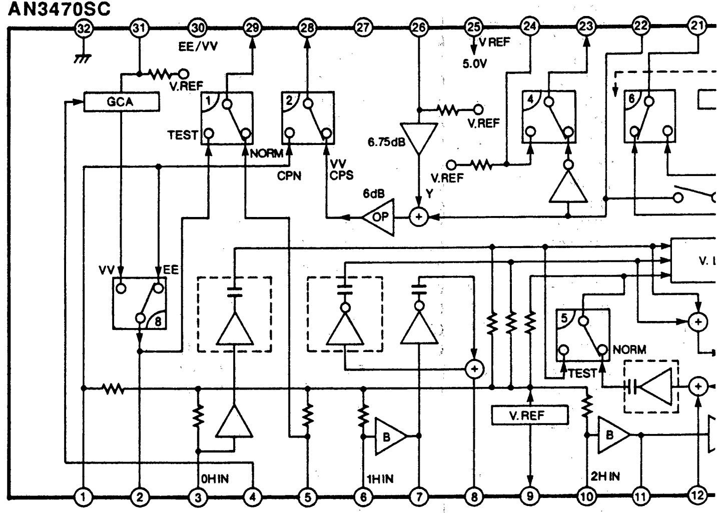
9 10 11 12 13 14 15 16 17

IC38506 VCR0312



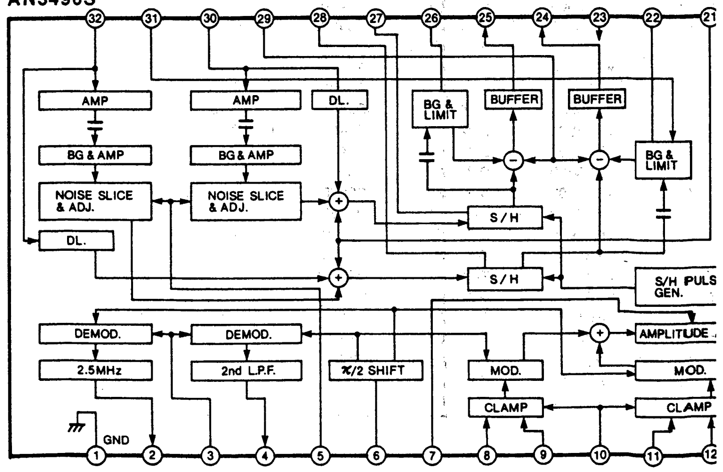
OUT
VCC
IN
GND
A
B
C

IC38701
AN3470SC

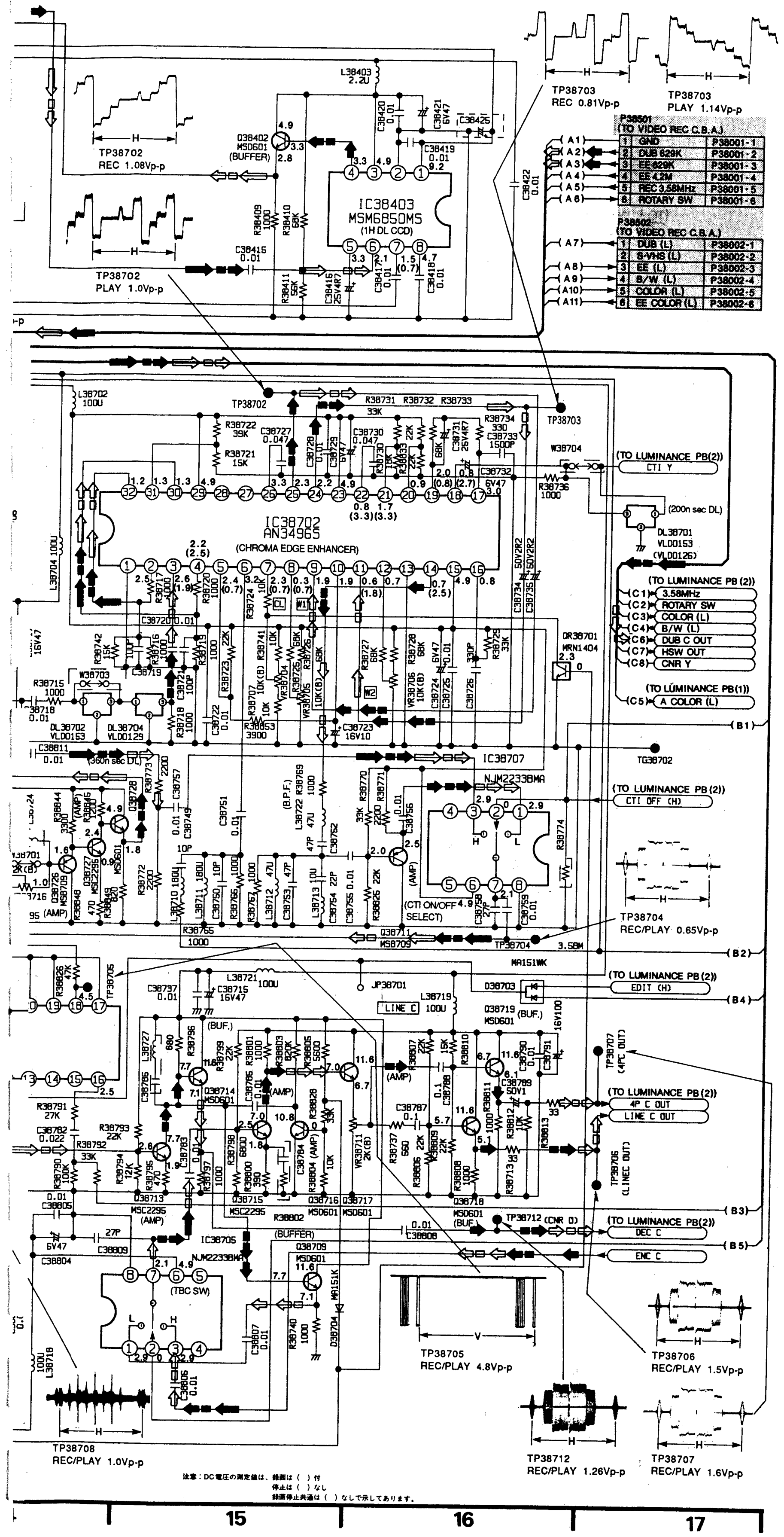


GCA
EE/VV
V.REF
TEST
NORM
CPN
VV
CPS
5.0V
6.75dB
6dB
OP
VV
EE
V.REF
0HIN
1HIN
2HIN
B
TEST
NORM

IC38702
AN3496S

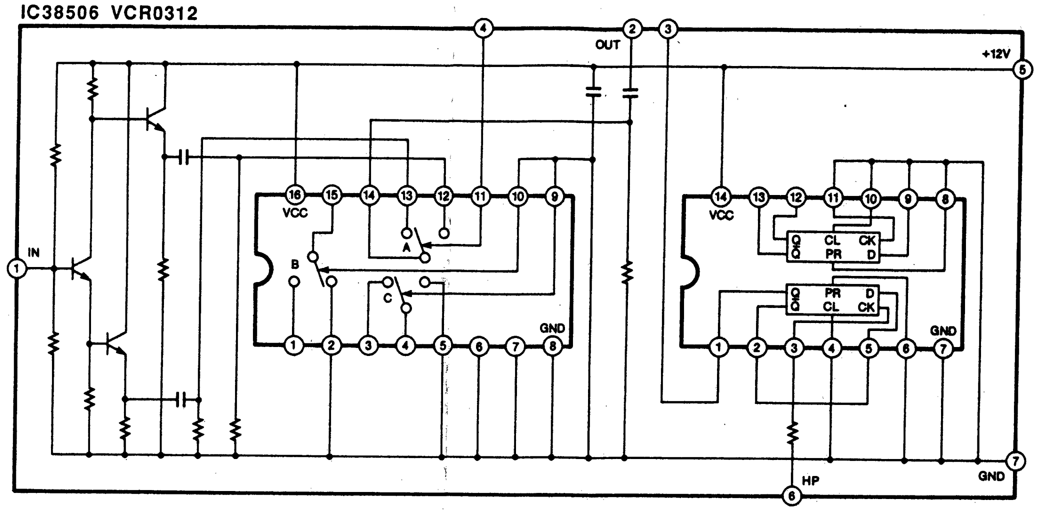


AMP
AMP
DL.
BG & LIMIT
BUFFER
BUFFER
BG & AMP
BG & AMP
BG & LIMIT
NOISE SLICE & ADJ.
NOISE SLICE & ADJ.
S/H
DL.
S/H
S/H PULS GEN.
DEMOD.
DEMOD.
AMPLITUDE
2.5MHz
2nd L.P.F.
π/2 SHIFT
MOD.
MOD.
CLAMP
CLAMP
GND

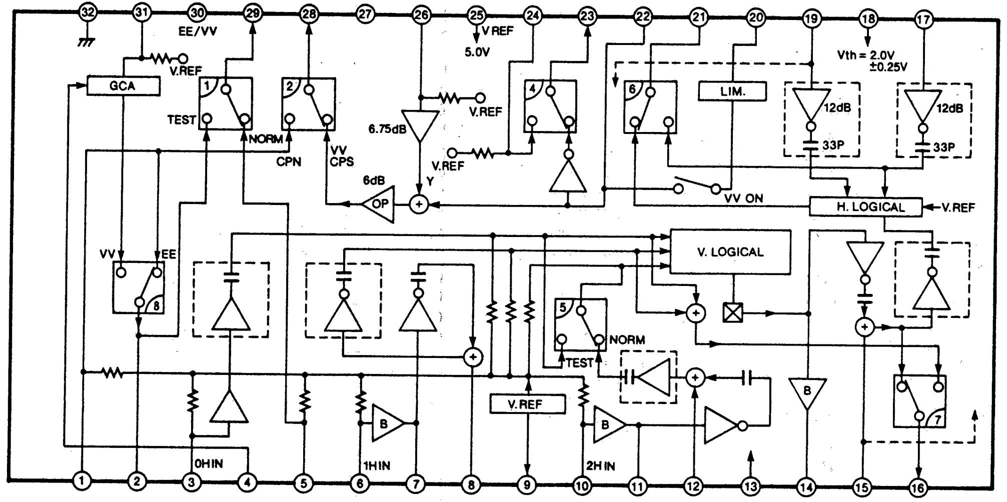

TP38702
REC 1.08Vp-p
TP38702
PLAY 1.0Vp-p
TP38703
REC 0.81Vp-p
TP38703
PLAY 1.14Vp-p
L38403 2.2U
Q38402 MS0601 (BUFFER)
IC38403
MSM6850MS
(1H DL CCD)
C38415 0.01
C38422 0.01
P38501
(TO VIDEO REC C.B.A.)
(A1) 1 GND P38001-1
(A2) 2 DUB 629K P38001-2
(A3) 3 EE 629K P38001-3
(A4) 4 EE 4.2M P38001-4
(A5) 5 REC 3.58MHz P38001-5
(A6) 6 ROTARY SW P38001-6
P38502
(TO VIDEO REC C.B.A.)
(A7) 1 DUB (L) P38002-1
(A8) 2 S-VHS (L) P38002-2
(A9) 3 EE (L) P38002-3
(A10) 4 B/W (L) P38002-4
(A11) 5 COLOR (L) P38002-5
6 EE COLOR (L) P38002-6
L38702 100U
IC38702
AN3496S
(CHROMA EDGE ENHANCER)
(TO LUMINANCE PB(2))
CTI Y
(200n sec DL)
DL38701 VLD0153 (VLD0126)
(TO LUMINANCE PB(2))
(C1) 3.58MHz
(C2) ROTARY SW
(C3) COLOR (L)
(C4) B/W (L)
(C6) DUB C OUT
(C7) HSW OUT
(C8) CNR Y
(TO LUMINANCE PB(1))
(C5) A COLOR (L)
DR38701 MRN1404
IC38707
NJM2233BMA
(TO LUMINANCE PB(2))
CTI OFF (H)
(CTI ON/OFF SELECT)
TP38704
REC/PLAY 0.65Vp-p
TG38702
B1
B2
B3
B4
B5
(TO LUMINANCE PB(2))
EDIT (H)
(TO LUMINANCE PB(2))
4F C OUT
LINE C OUT
(TO LUMINANCE PB(2))
DEC C
ENC C
IC38705
NJM2233BMA
(TBC SW)
TP38705
REC/PLAY 4.8Vp-p
TP38706
REC/PLAY 1.5Vp-p
TP38708
REC/PLAY 1.0Vp-p
TP38712
REC/PLAY 1.26Vp-p
TP38707
REC/PLAY 1.6Vp-p
15
16
17

注意：DC電圧の測定値は、録画は（　）付
停止は（　）なし
録画停止共通は（　）なしで示してあります。

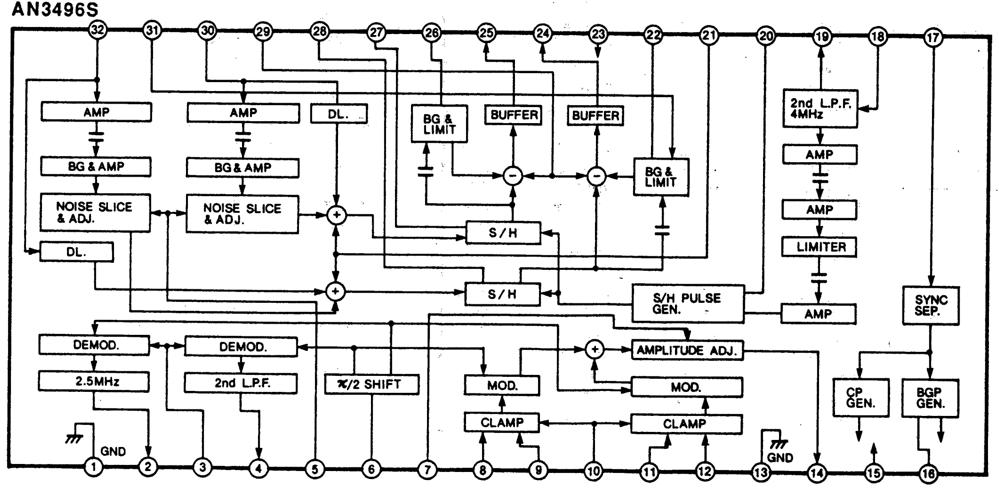
IC38506 VCR0312


OUT
+12V
IN
VCC
GND
HP
A
B
C

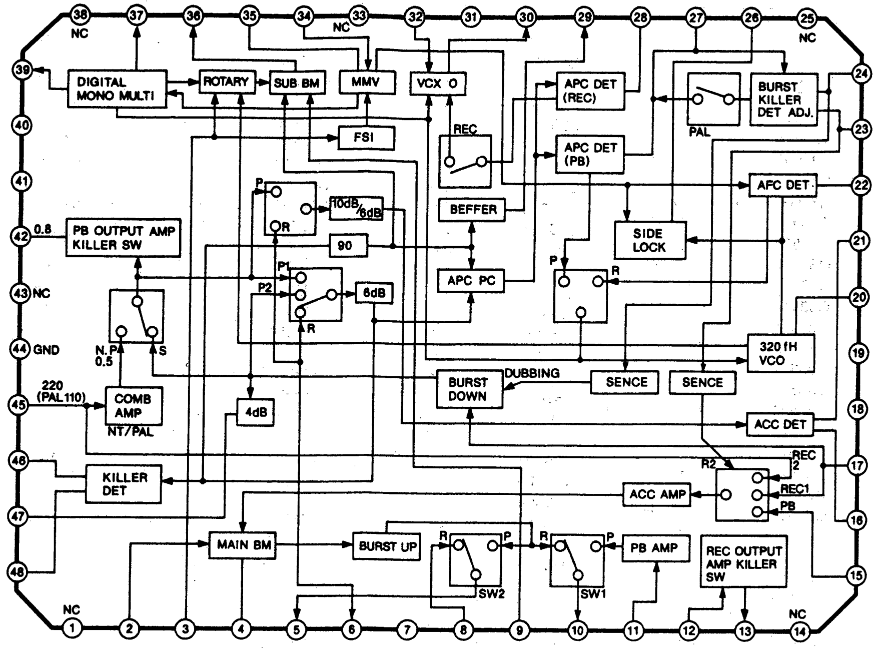
IC38701
AN3470SC


EE/VV
V.REF
GCA
TEST
NORM
CPN
VV
CPS
V.REF
5.0V
6.75dB
V.REF
6dB
OP
LIM.
12dB
33P
Vth = 2.0V ±0.25V
VV ON
H. LOGICAL
V.REF
V. LOGICAL
NORM
TEST
V. REF
0HIN
1HIN
2H IN
B

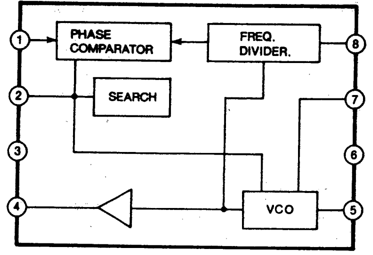
IC38702
AN3496S


AMP
BG & AMP
NOISE SLICE & ADJ.
DL.
BG & LIMIT
BUFFER
S/H
S/H PULSE GEN.
2nd L.P.F. 4MHz
AMP
LIMITER
SYNC SEP.
DEMOD.
2.5MHz
2nd L.P.F.
π/2 SHIFT
MOD.
CLAMP
AMPLITUDE ADJ.
CP GEN.
BGP GEN.
GND

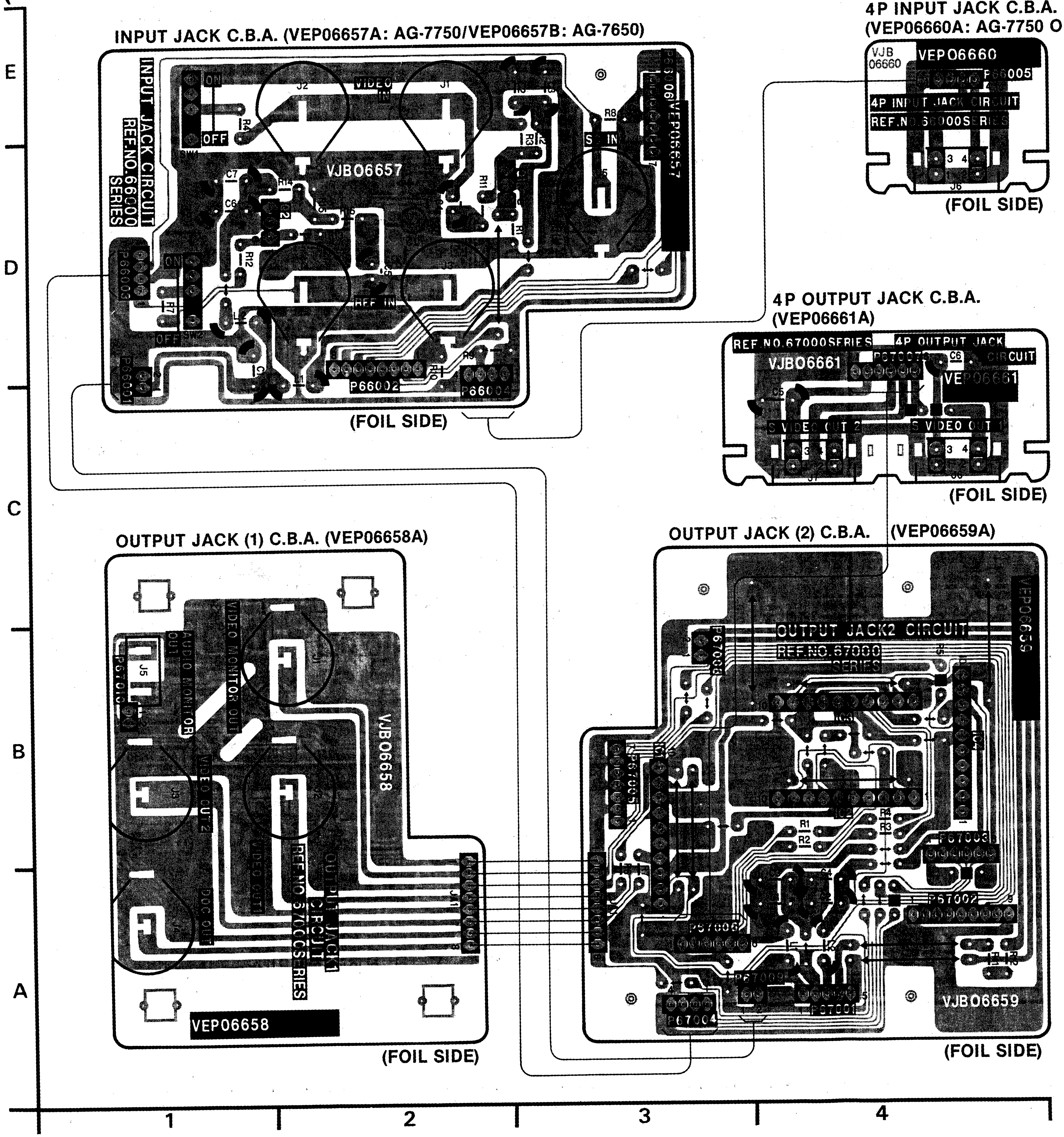
IC38501
M52057FP


NC
DIGITAL MONO MULTI
ROTARY
SUB BM
MMV
VCX O
APC DET (REC)
BURST KILLER DET ADJ.
PAL
FSI
REC
APC DET (PB)
AFC DET
BEFFER
SIDE LOCK
PB OUTPUT AMP KILLER SW
0.8
10dB
6dB
90
APC PC
P
R
P1
P2
AR
6dB
320 fH VCO
N.P 0.5
S
GND
220 (PAL110)
COMB AMP
NT/PAL
4dB
BURST DOWN
DUBBING
SENCE
SENCE
ACC DET
KILLER DET
ACC AMP
R2
REC 2
REC1
PB
MAIN BM
BURST UP
SW2
SW1
PB AMP
REC OUTPUT AMP KILLER SW

IC38401
MST003MS-K


PHASE COMPARATOR
FREQ. DIVIDER.
SEARCH
VCO

INPUT JACK C.B.A. (VEP06657A: AG-7750/VEP06657B: AG-7650), OUTPUT JACK (1) C.B.A. (VEP06658A), OUTPUT JACK (2) C.B.A. (VEP06659A), 4P INPUT JACK C.B.A. (VEP06660A: AG-7750 ONLY) AND 4P OUTPUT JACK C.B.A. (VEP06661A)


4P INPUT JACK C.B.A.
(VEP06660A: AG-7750 ONLY)
INPUT JACK C.B.A. (VEP06657A: AG-7750/VEP06657B: AG-7650)
INPUT JACK CIRCUIT
REF.NO.66000 SERIES
VJBO6657
VEP06657
ON
OFF
VIDEO
S IN
REF IN
J1
J2
P66001
P66002
P66003
P66004
(FOIL SIDE)
VJB 06660
VEP06660
P66005
4P INPUT JACK CIRCUIT
REF.NO.66000SERIES
J6
(FOIL SIDE)
4P OUTPUT JACK C.B.A.
(VEP06661A)
REF.NO.67000SERIES
4P OUTPUT JACK CIRCUIT
VJBO6661
VEP06661
P67007
S VIDEO OUT 2
S VIDEO OUT
(FOIL SIDE)
OUTPUT JACK (1) C.B.A. (VEP06658A)
VJBO6658
VEP06658
VIDEO MONITOR OUT
AUDIO MONITOR OUT
VIDEO OUT
DOC OUT
OUTPUT JACK1 CIRCUIT
REF.NO.67000SERIES
P67010
JA1
(FOIL SIDE)
OUTPUT JACK (2) C.B.A. (VEP06659A)
OUTPUT JACK2 CIRCUIT
REF.NO.67000 SERIES
VEP06659
VJBO6659
P67001
P67002
P67003
P67004
P67005
P67006
P67008
P67009
(FOIL SIDE)
E
D
C
B
A
1
2
3
4

INPUT JACK C.B.A.	
Transistors	
Q66001	D-3
Q66002	D-2
Connectors	
P66001	D-1
P66002	D-2
P66003	D-1
P66004	C-2
P66006	E-3

ADDRESS INFORMATION

OUTPUT JACK(1) C.B.A.	
Connectors	
JA67001	A-2
P67010	B-1

ADDRESS INFORMATION

OUTPUT JACK (2) C.B.A.	
Integrated Circuits	
IC67001	B-3
IC67002	B-4
IC67003	B-4
IC67004	B-4
Connectors	
JA67001	A-3
P67001	A-4
P67002	A-4
P67003	B-4
P67004	A-3
P67005	B-3
P67006	A-3
P67008	B-3
P67009	A-4

ADDRESS INFORMATION

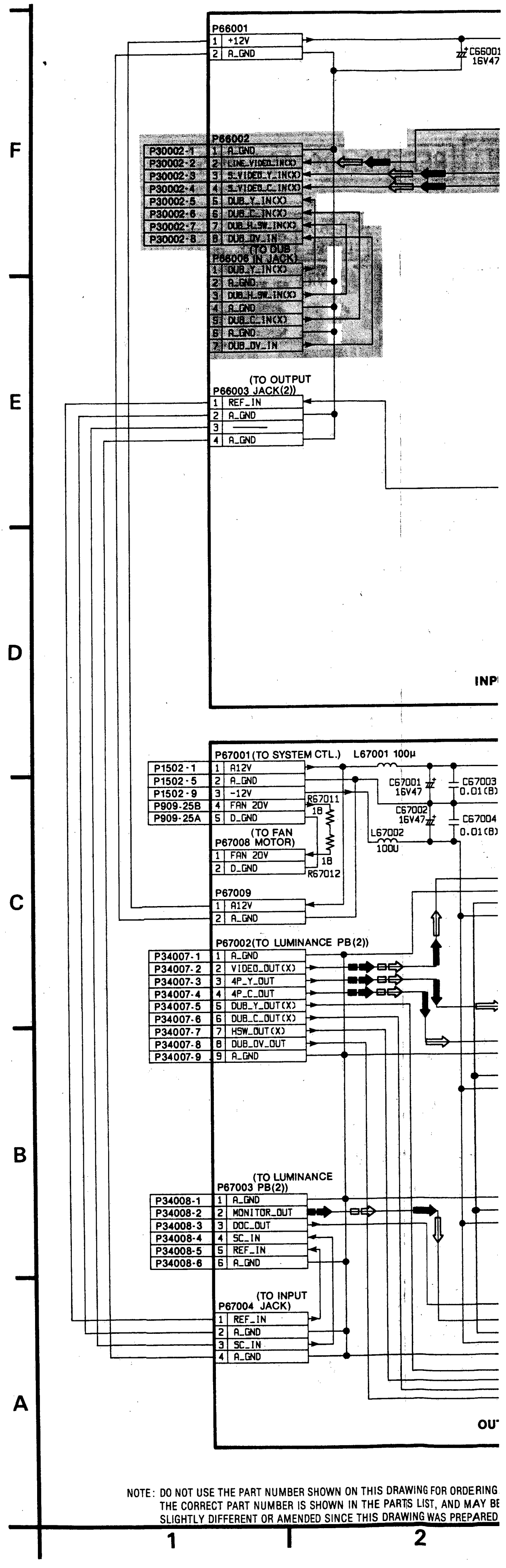
4P INPUT JACK C.B.A.	
Connector	
P66005	E-4

ADDRESS INFORMATION

4P OUTPUT JACK C.B.A.	
Connector	
P67007	C-4

ADDRESS INFORMATION

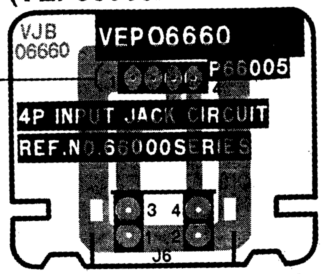
INPUT JACK AND OUTPUT JA


P66001
1 +12V
2 A_GND
C66001 16V47
P66002
P30002-1 1 A_GND
P30002-2 2 LINE_VIDEO_IN(X)
P30002-3 3 S_VIDEO_Y_IN(X)
P30002-4 4 S_VIDEO_C_IN(X)
P30002-5 5 DUB_Y_IN(X)
P30002-6 6 DUB_C_IN(X)
P30002-7 7 DUB_H_SW_IN(X)
P30002-8 8 DUB_DV_IN
P66006 (TO DUB IN JACK)
1 DUB_Y_IN(X)
2 A_GND
3 DUB_H_SW_IN(X)
4 A_GND
5 DUB_C_IN(X)
6 A_GND
7 DUB_DV_IN
P66003 (TO OUTPUT JACK(2))
1 REF_IN
2 A_GND
3 ———
4 A_GND
INP
P67001(TO SYSTEM CTL.)
L67001 100µ
P1502-1 1 A12V
P1502-5 2 A_GND
P1502-9 3 -12V
P909-25B 4 FAN 20V
P909-25A 5 D_GND
R67011 18
R67012 18
C67001 16V47
C67002 16V47
C67003 0.01(B)
C67004 0.01(B)
L67002 100U
P67008 (TO FAN MOTOR)
1 FAN 20V
2 D_GND
P67009
1 A12V
2 A_GND
P67002(TO LUMINANCE PB(2))
P34007-1 1 A_GND
P34007-2 2 VIDEO_OUT(X)
P34007-3 3 4P_Y_OUT
P34007-4 4 4P_C_OUT
P34007-5 5 DUB_Y_OUT(X)
P34007-6 6 DUB_C_OUT(X)
P34007-7 7 HSW_OUT(X)
P34007-8 8 DUB_DV_OUT
P34007-9 9 A_GND
P67003 (TO LUMINANCE PB(2))
P34008-1 1 A_GND
P34008-2 2 MONITOR_OUT
P34008-3 3 DOC_OUT
P34008-4 4 SC_IN
P34008-5 5 REF_IN
P34008-6 6 A_GND
P67004 (TO INPUT JACK)
1 REF_IN
2 A_GND
3 SC_IN
4 A_GND
OU
F
E
D
C
B
A
1
2

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE
SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED

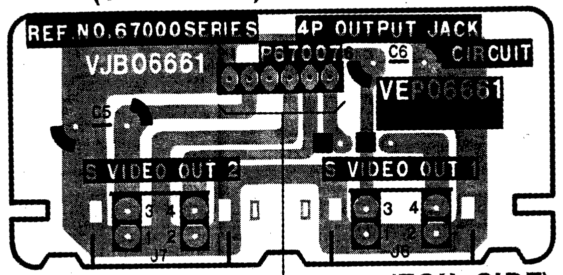
-7650), OUTPUT JACK (1) C.B.A.
PUT JACK C.B.A.
\. (VEP06661A)

4P INPUT JACK C.B.A.
(VEP06660A: AG-7750 ONLY)


VJB 06660
VEP06660
P66005
4P INPUT JACK CIRCUIT
REF.NO.66000SERIES
3 4
J6

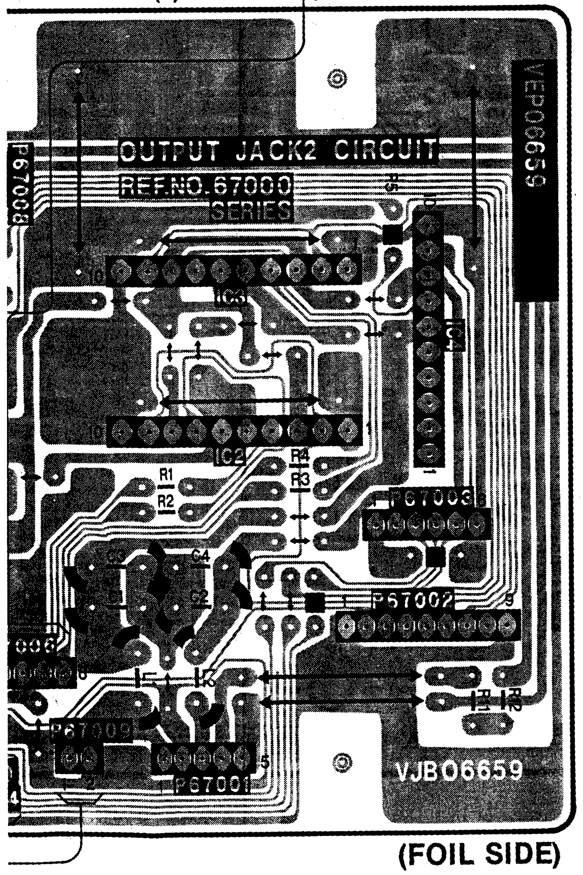
(FOIL SIDE)

4P OUTPUT JACK C.B.A.
(VEP06661A)


REF.NO.67000SERIES
4P OUTPUT JACK CIRCUIT
VJB06661
P67007
C6
VEP06661
C5
S VIDEO OUT 2
S VIDEO OUT 1
3 4
J7
J6

(FOIL SIDE)

PUT JACK (2) C.B.A. (VEP06659A)


OUTPUT JACK2 CIRCUIT
REF.NO.67000 SERIES
VEP06659
P67008
IC3
IC2
R1
R2
R3
R4
P67003
C4
P67002
P67009
P67001
VJB06659
4

(FOIL SIDE)

INPUT JACK C.B.A.	
Transistors	
Q66001	D-3
Q66002	D-2
Connectors	
P66001	D-1
P66002	D-2
P66003	D-1
P66004	C-2
P66006	E-3

ADDRESS INFORMATION

OUTPUT JACK(1) C.B.A.	
Connectors	
JA67001	A-2
P67010	B-1

ADDRESS INFORMATION

OUTPUT JACK (2) C.B.A.	
Integrated Circuits	
IC67001	B-3
IC67002	B-4
IC67003	B-4
IC67004	B-4
Connectors	
JA67001	A-3
P67001	A-4
P67002	A-4
P67003	B-4
P67004	A-3
P67005	B-3
P67006	A-3
P67008	B-3
P67009	A-4

ADDRESS INFORMATION

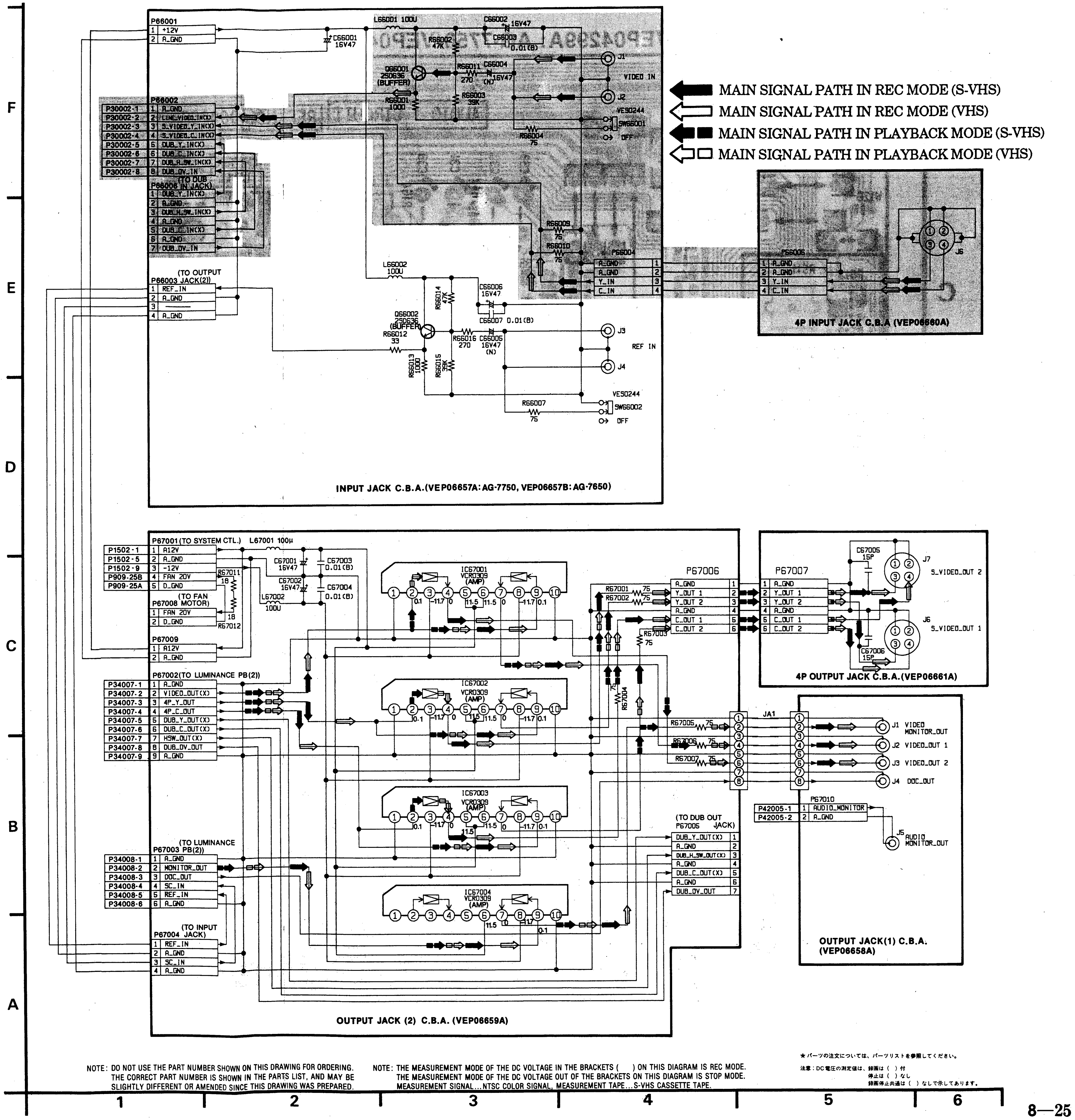
4P INPUT JACK C.B.A.	
Connector	
P66005	E-4

ADDRESS INFORMATION

4P OUTPUT JACK C.B.A.	
Connector	
P67007	C-4

ADDRESS INFORMATION

INPUT JACK AND OUTPUT JACK SCHEMATIC DIAGRAM


F
E
D
C
B
A
1
2
3
4
5
6
P66001
+12V
A_GND
L66001 100U
C66001 16V47
C66002 16V47
C66003 0.01(B)
R66002 47K
Q66001 2SC636 (BUFFER)
R66011 270
C66004 16V47 (N)
R66001 100Ω
R66003 39K
R66004 75
J1
VIDEO IN
J2
VES0244
SW66001
OFF
P66002
P30002-1
P30002-2
P30002-3
P30002-4
P30002-5
P30002-6
P30002-7
P30002-8
LINE_VIDEO_IN(X)
S_VIDEO_Y_IN(X)
S_VIDEO_C_IN(X)
DUB_Y_IN(X)
DUB_C_IN(X)
DUB_H_SW_IN(X)
DUB_DV_IN
(TO DUB IN JACK)
P66006
R66009 75
R66010 75
P66004
A_GND
Y_IN
C_IN
P66005
J6
4P INPUT JACK C.B.A (VEP06660A)
L66002 100U
R66014 47K
C66006 16V47
(TO OUTPUT JACK(2))
P66003
REF_IN
Q66002 2SC636 (BUFFER)
R66012 33
C66007 0.01(B)
R66016 270
C66005 16V47 (N)
J3
REF IN
J4
R66013 100
R66015 39K
R66007 75
VES0244
SW66002
OFF
INPUT JACK C.B.A.(VEP06657A: AG-7750, VEP06657B: AG-7650)
P67001(TO SYSTEM CTL.)
L67001 100μ
P1502-1
P1502-5
P1502-9
P909-25B
P909-25A
A12V
A_GND
-12V
FAN 20V
D_GND
C67001 16V47
C67003 0.01(B)
C67002 16V47
C67004 0.01(B)
L67002 100U
R67011 18
R67012 18
(TO FAN MOTOR)
P67008
P67009
IC67001 VCR0309 (AMP)
IC67002 VCR0309 (AMP)
IC67003 VCR0309 (AMP)
IC67004 VCR0309 (AMP)
P67002(TO LUMINANCE PB(2))
P34007-1
P34007-2
P34007-3
P34007-4
P34007-5
P34007-6
P34007-7
P34007-8
P34007-9
VIDEO_OUT(X)
4P_Y_OUT
4P_C_OUT
DUB_Y_OUT(X)
DUB_C_OUT(X)
HSW_OUT(X)
DUB_DV_OUT
R67001 75
R67002 75
R67003 75
R67004
R67005 75
R67006 75
R67007 75
P67006
P67007
Y_OUT 1
Y_OUT 2
C_OUT 1
C_OUT 2
C67005 15P
C67006 15P
J7
S_VIDEO_OUT 2
J6
S_VIDEO_OUT 1
4P OUTPUT JACK C.B.A.(VEP06661A)
JA1
J1 VIDEO MONITOR_OUT
J2 VIDEO_OUT 1
J3 VIDEO_OUT 2
J4 DOC_OUT
P67010
P42005-1
P42005-2
AUDIO_MONITOR
J5 AUDIO MONITOR_OUT
OUTPUT JACK(1) C.B.A. (VEP06658A)
(TO DUB OUT P67005 JACK)
DUB_Y_OUT(X)
DUB_H_SW_OUT(X)
DUB_C_OUT(X)
DUB_DV_OUT
(TO LUMINANCE PB(2))
P67003
P34008-1
P34008-2
P34008-3
P34008-4
P34008-5
P34008-6
MONITOR_OUT
DOC_OUT
SC_IN
REF_IN
(TO INPUT JACK)
P67004
OUTPUT JACK (2) C.B.A. (VEP06659A)

MAIN SIGNAL PATH IN REC MODE (S-VHS)
MAIN SIGNAL PATH IN REC MODE (VHS)
MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)
MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

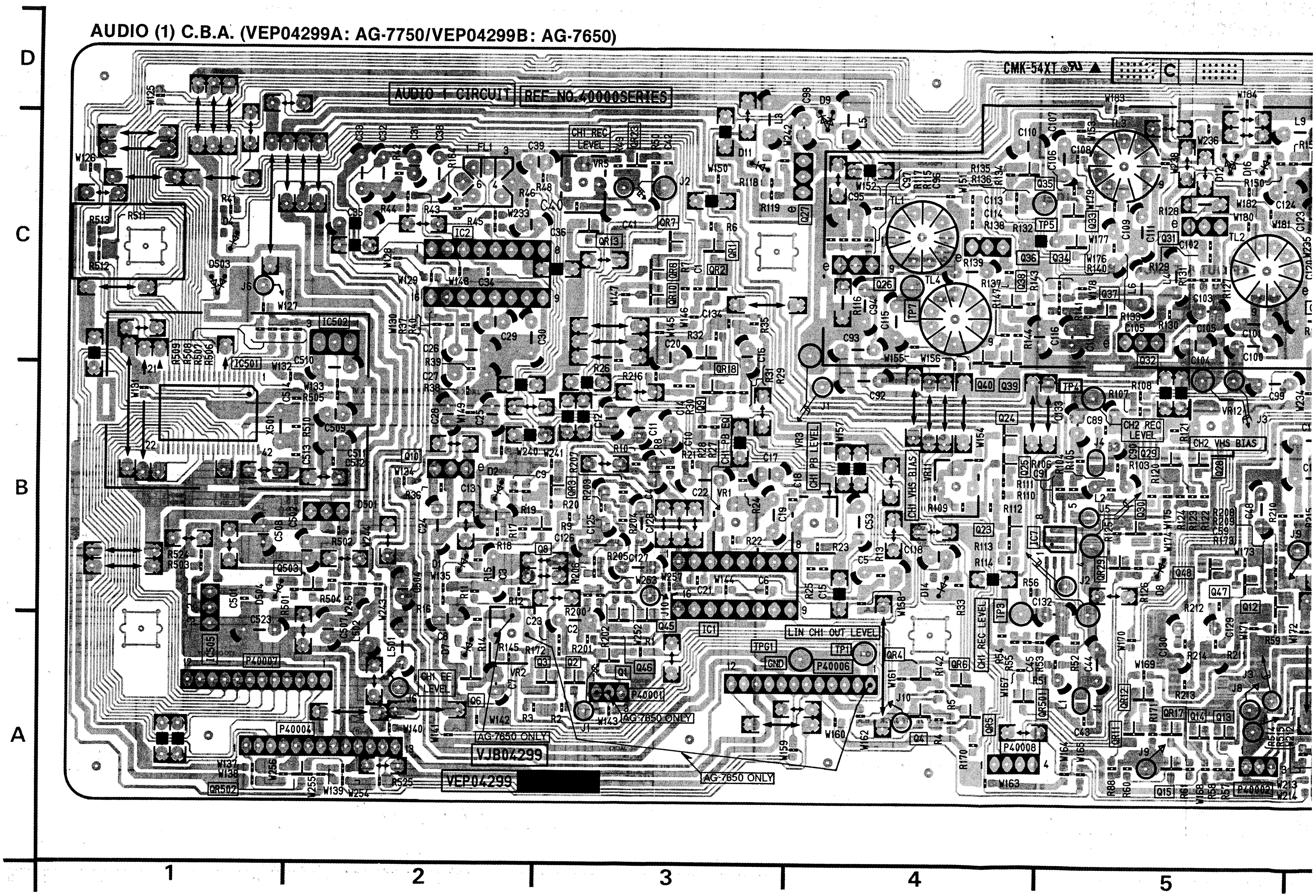
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (　) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL…NTSC COLOR SIGNAL, MEASUREMENT TAPE…S-VHS CASSETTE TAPE.

★パーツの注文については、パーツリストを参照してください。

注意：DC電圧の測定値は、録画は（ ）付
停止は（ ）なし
録画停止共通は（ ）なしで示してあります。

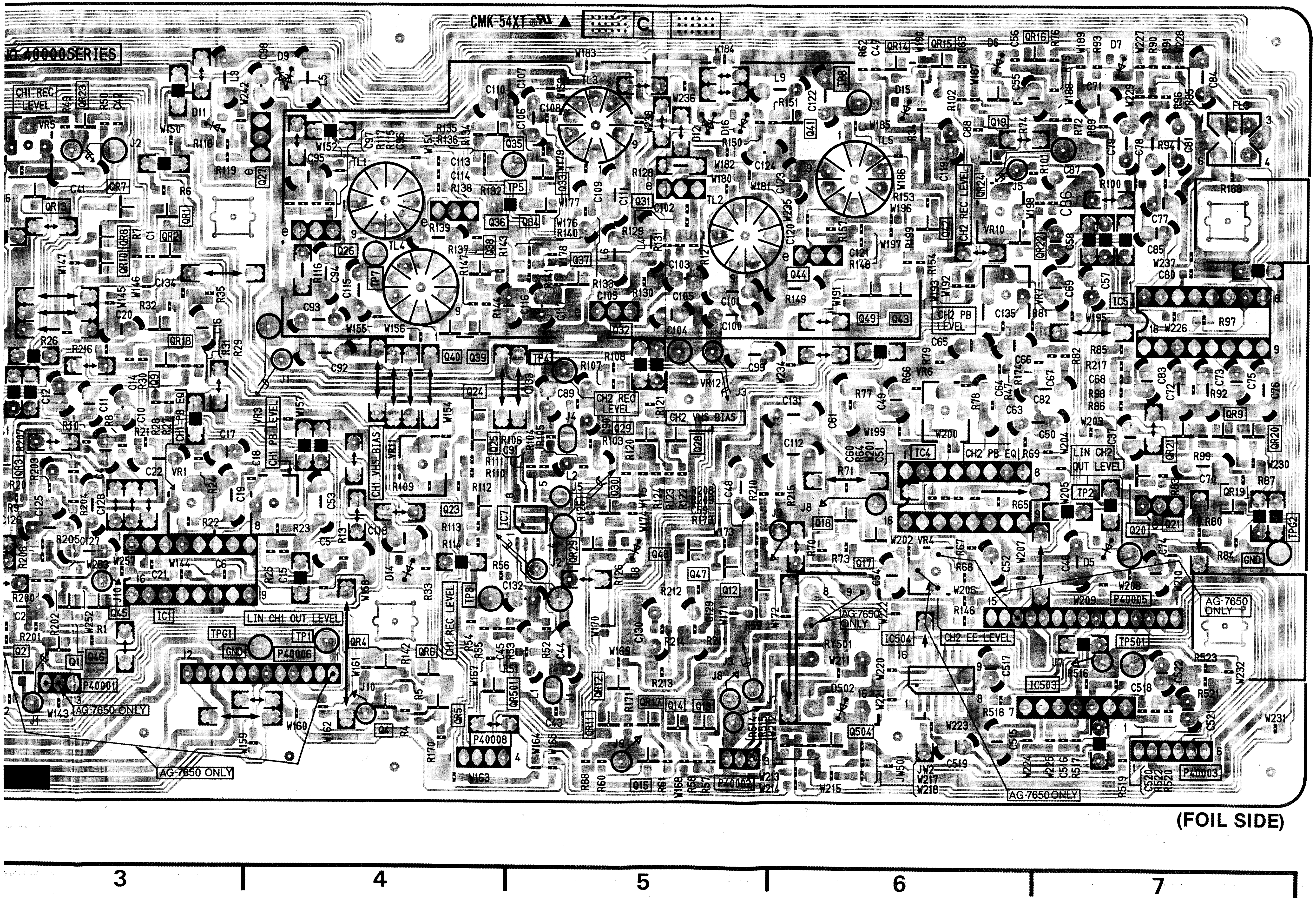
AUDIO (1) C.B.A. (VEP04299A: AG-7750/VEP04299B: AG-7650)

AUDIO (1) C.B.A. (VEP04299A: AG-7750/VEP04299B: AG-7650)


D
C
B
A
1
2
3
4
5
AUDIO I CIRCUIT
REF NO.40000SERIES
CMK-54XT
CH1 REC LEVEL
VR5
CH1 PB EQ
VR1
CH1 PB LEVEL
VR3
CH1 VHS BIAS
VR11
CH2 REC LEVEL
CH2 VHS BIAS
VR12
CH1 REC LEVEL
LIN CH1 OUT LEVEL
TPG1
GND
TP1
TP3
TP4
TP5
TP7
CH1 EE LEVEL
VR2
AG-7650 ONLY
VJB04299
VEP04299
IC1
IC2
IC7
IC501
IC502
TL1
TL2
TL3
TL4
P40001
P40002
P40004
P40006
P40007
P40008
QR502
X501
J1
J2
J3
J5
J6
J8
J9
J10

0)

G-7650)


CMK-54XT
C
10-40000SERIES
CH1 REC LEVEL
VR5
CH1 PB EQ
CH1 PB LEVEL
CH1 VHS BIAS
CH1 REC LEVEL
LIN CH1 OUT LEVEL
CH2 REC LEVEL
CH2 VHS BIAS
CH2 REC LEVEL
CH2 PB LEVEL
CH2 PB EQ
LIN CH2 OUT LEVEL
CH2 EE LEVEL
AG-7650 ONLY
IC1
IC4
IC5
IC7
IC503
IC504
TL1
TL2
TL3
TL4
TL5
FL3
R168
R97
P40001
P40003
P40005
P40006
P40008
TP1
TP2
TP3
TP4
TP5
TP7
TP8
TP501
TPG1
TPG2
GND
RY501
3
4
5
6
7

(FOIL SIDE)

AUDIO (1) C.B.A.

Transistors

Q40001	A-3
Q40002	A-3
Q40003	A-3
Q40004	A-4
Q40006	A-2
Q40008	B-3
Q40009	B-3
Q40010	B-2
Q40012	B-5
Q40013	A-5
Q40014	A-5
Q40015	A-5
Q40017	B-6
Q40018	B-6
Q40019	C-6
Q40020	B-7
Q40021	B-7
Q40023	B-4
Q40024	B-4
Q40025	B-4
Q40026	C-4
Q40027	C-4
Q40028	B-5
Q40029	B-5
Q40030	B-5
Q40031	C-5
Q40032	B-5
Q40033	C-5
Q40034	C-5
Q40035	C-5
Q40036	C-4
Q40037	C-5
Q40038	C-4
Q40039	B-4
Q40040	B-4
Q40041	C-6
Q40042	C-6
Q40043	C-6
Q40044	C-6
Q40045	A-3
Q40046	A-3
Q40047	B-5
Q40048	B-5
Q40049	C-6
Q40503	B-2
Q40504	A-6

Transistor & Resistors

QR40001	C-3
QR40002	C-3
QR40003	B-3
QR40004	A-4
QR40005	A-4
QR40006	A-4
QR40007	C-3
QR40008	C-3
QR40009	B-7
QR40010	C-3
QR40011	A-5
QR40012	A-5
QR40013	C-3
QR40014	D-6
QR40015	D-6
QR40016	D-6
QR40017	A-5
QR40018	B-3
QR40019	B-7
QR40020	B-7
QR40021	B-7
QR40022	C-7
QR40023	C-3
QR40024	C-6
QR40029	B-5
QR40501	A-5
QR40502	A-1

Integrated Circuits

IC40001	A-3
IC40002	C-2
IC40004	B-6
IC40005	C-7
IC40007	B-4
IC40501	B-1
IC40502	C-2
IC40503	A-7
IC40504	A-6
IC40505	A-1

Test Points

TP40001	A-4
TP40002	B-7
TP40003	A-4
TP40004	B-5
TP40005	C-5
TP40007	C-4
TP40008	C-6
TP40501	A-7
TPG40001	A-3
TPG40002	B-7

Adjustments

VR40001	B-3
VR40002	A-2
VR40003	B-4
VR40004	B-6
VR40005	C-3
VR40006	B-6
VR40007	C-6
VR40010	C-6
VR40011	B-4
VR40012	B-5

Connectors

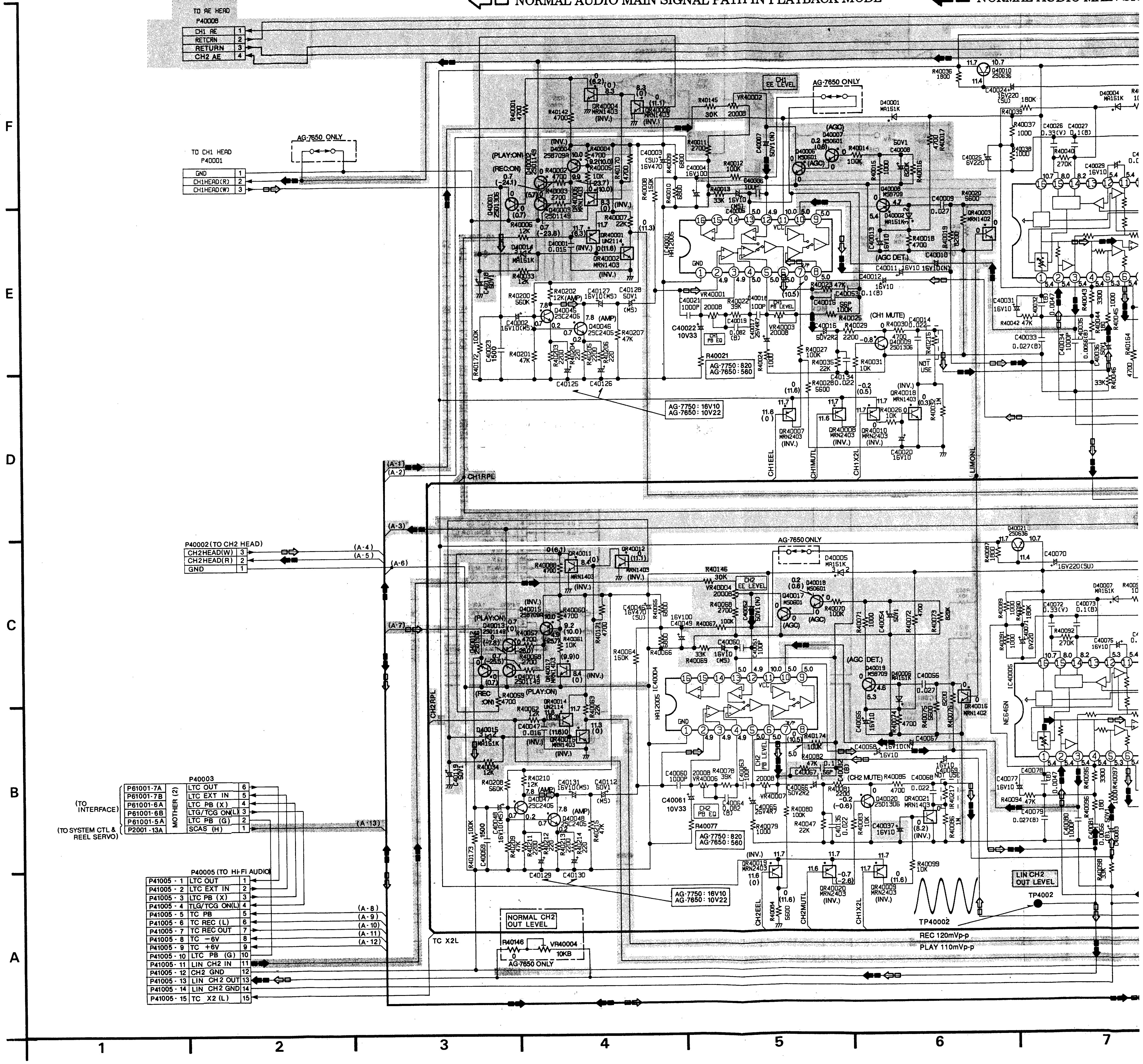
P40001	A-3
P40002	A-5
P40003	A-7
P40004	A-2
P40005	B-7
P40007	A-1
P40008	A-4

ADDRESS INFORMATION

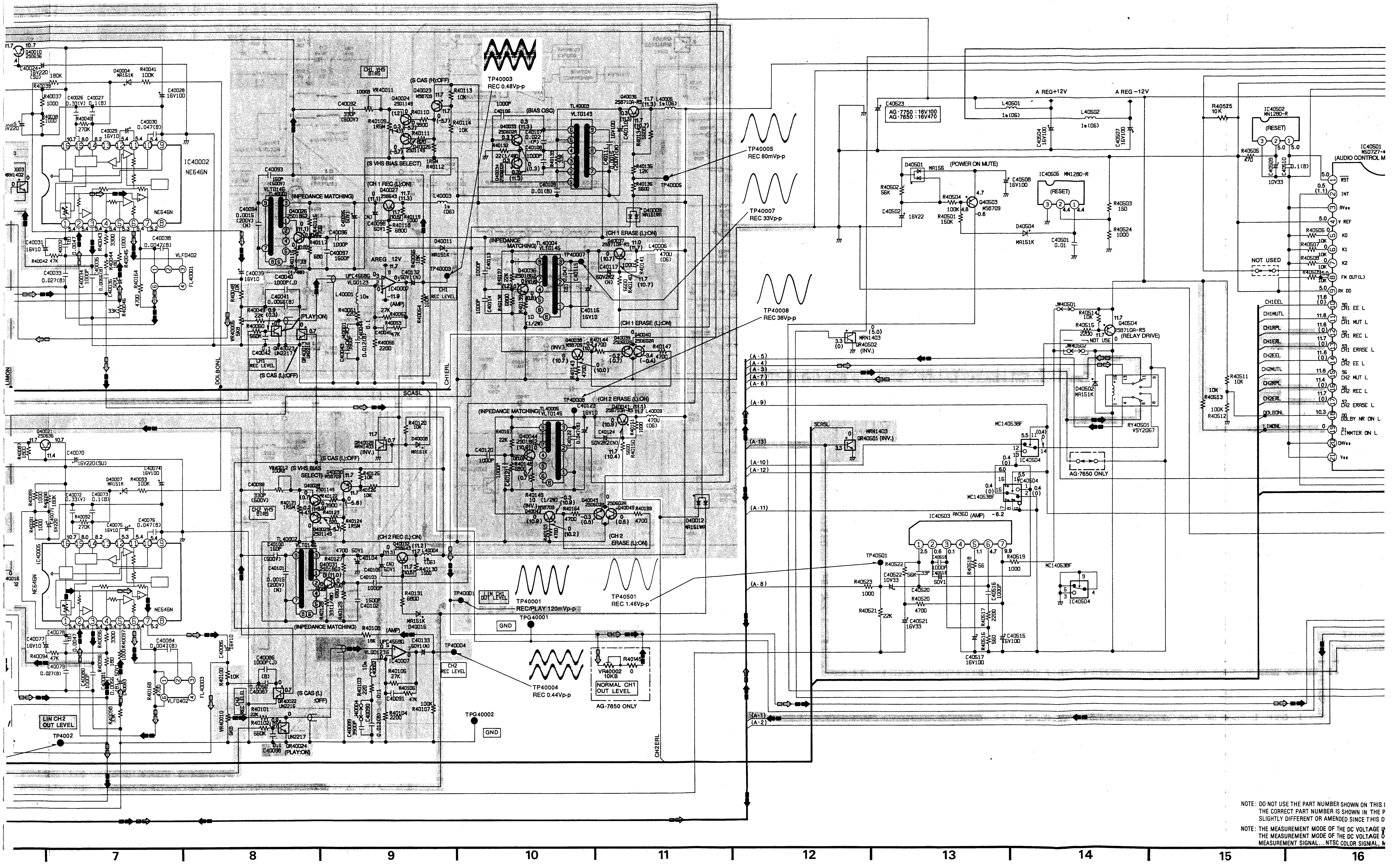
NORMAL AUDIO SCHEMATIC DIAGRAM

⇦□ NORMAL AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

⬅■ NORMAL AUDIO MAIN SI

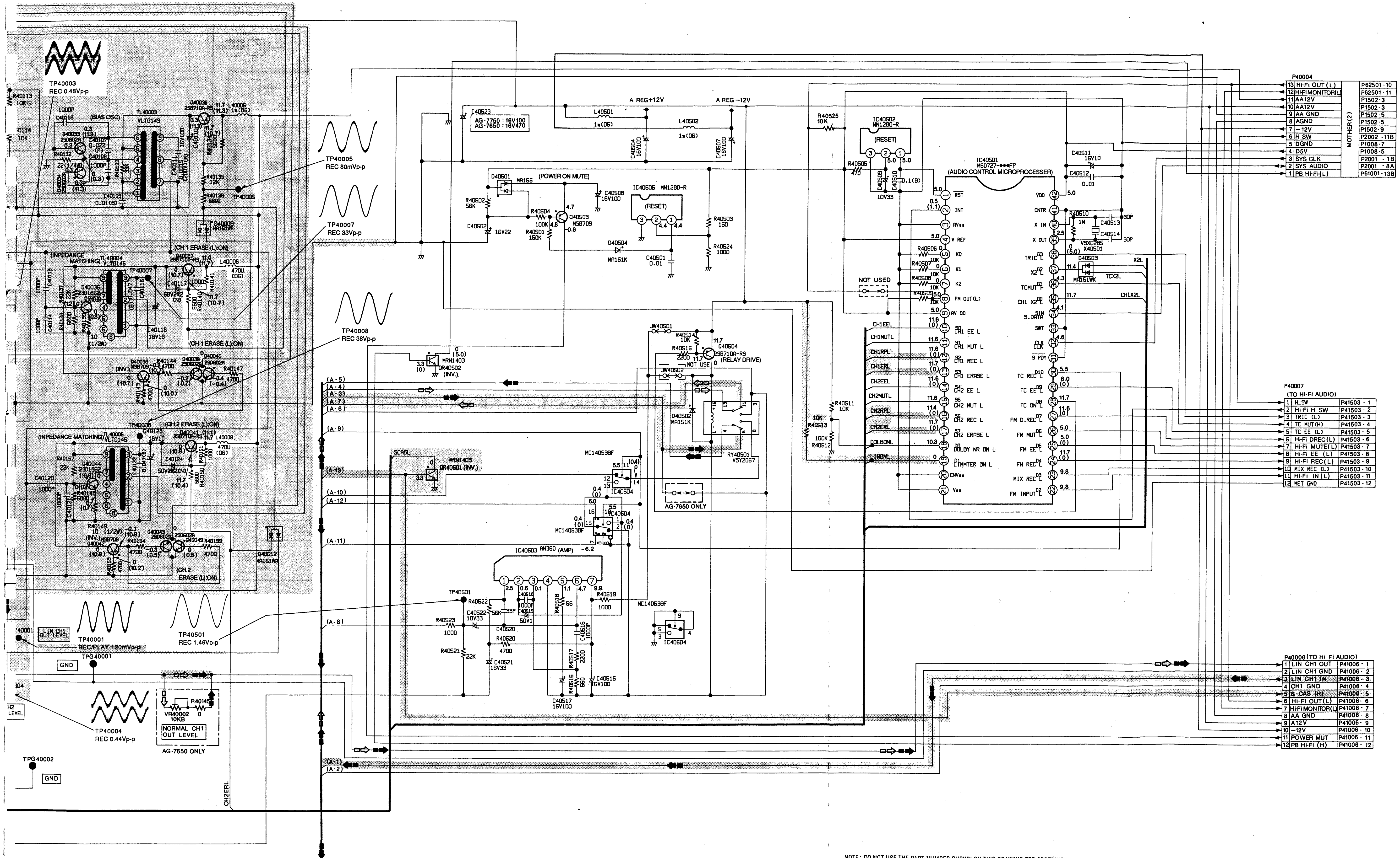

TO AE HEAD
P40008
CH1 AE
RETCRN
RETURN
CH2 AE
TO CH1 HEAD
P40001
GND
CH1HEAD(R)
CH1HEAD(W)
AG-7650 ONLY
CH1 EE LEVEL
(PLAY:ON)
(REC:ON)
(AGC)
(AGC DET.)
(CH1 MUTE)
AG-7750 : 16V10
AG-7650 : 10V22
AG-7750 : 820
AG-7650 : 560
CH1EEL
CH1MUTL
CH1X2L
LIMONL
CH1RPL
P40002 (TO CH2 HEAD)
CH2HEAD(W)
CH2HEAD(R)
GND
CH2 EE LEVEL
CH2 PB LEVEL
CH2 PB EQ
(CH2 MUTE)
CH2RPL
CH2EEL
CH2MUTL
CH2X2L
P40003
(TO INTERFACE)
(TO SYSTEM CTL & REEL SERVO)
P61001-7A
P61001-7B
P61001-6A
P61001-6B
P61001-5A
P2001-13A
MOTHER (2)
LTC OUT
LTC EXT IN
LTC PB (X)
LTG/TCG ON(L)
LTC PB (G)
SCAS (H)
P40005 (TO Hi-Fi AUDIO)
P41005-1 LTC OUT
P41005-2 LTC EXT IN
P41005-3 LTC PB (X)
P41005-4 TLG/TCG ON(L)
P41005-5 TC PB
P41005-6 TC REC (L)
P41005-7 TC REC OUT
P41005-8 TC -6V
P41005-9 TC +6V
P41005-10 LTC PB (G)
P41005-11 LIN CH2 IN
P41005-12 CH2 GND
P41005-13 LIN CH2 OUT
P41005-14 LIN CH2 GND
P41005-15 TC X2 (L)
TC X2L
NORMAL CH2 OUT LEVEL
AG-7650 ONLY
LIN CH2 OUT LEVEL
TP4002
TP40002
REC 120mVp-p
PLAY 110mVp-p
F
E
D
C
B
A
1
2
3
4
5
6
7

NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE (AG-7750)


TP40003
REC 0.48Vp-p
TP40005
REC 80mVp-p
TP40007
REC 33Vp-p
TP40008
REC 38Vp-p
TP40001
REC/PLAY 120mVp-p
TP40004
REC 0.44Vp-p
TP40501
REC 1.46Vp-p
TPG40001
TPG40002
GND
TP4002
IC40002
NE646N
IC40005
NE646N
IC40007
UPC4558G
TL40003
VLT0143
TL40004
VLT0145
TL40005
VLT0145
TL40001
VLT0146
TL40002
VLT0146
(BIAS OSC)
(INPEDANCE MATCHING)
(S CAS (H):OFF)
(S VHS BIAS SELECT)
(CH 1 REC (L):ON)
(CH 2 REC (L):ON)
(CH 1 ERASE (L):ON)
(CH 2 ERASE (L):ON)
(PLAY):ON
(S CAS (L):OFF)
(AMP)
(INV.)
CH1 REC LEVEL
CH2 REC LEVEL
LIN CH1 OUT LEVEL
LIN CH2 OUT LEVEL
NORMAL CH1 OUT LEVEL
VR40002 10KB
AG-7650 ONLY
AREG 12V
A REG+12V
A REG −12V
C40523
AG-7750 : 16V100
AG-7650 : 16V470
(POWER ON MUTE)
IC40505 MN1280-R
(RESET)
IC40502 MN1280-R
IC40501 MS0727-
(AUDIO CONTROL M
IC40503 AN360 (AMP)
MC14053BF
IC40504
Q40504 2SB710A-R5
(RELAY DRIVE)
RY40501 VSY2067
NOT USED
NOT USE
AG-7650 ONLY
QR40501 (INV.)
QR40502 (INV.)
RST
INT
AVss
V REF
K0
K1
K2
FM OUT(L)
AV DD
CH1 EE L
CH1 MUT L
CH1 REC L
CH1 ERASE L
CH2 EE L
CH2 MUT L
CH2 REC L
CH2 ERASE L
DOLBY NR ON L
LIMITER ON L
CNVss
Vss
CH1EEL
CH1MUTL
CH1RPL
CH1ERL
CH2EEL
CH2MUTL
CH2RPL
CH2ERL
DOLBONL
LIMONL
LIMON
DOLBONL
CH1ERL
CH2ERL
SCASL
(A-1)
(A-2)
(A-3)
(A-4)
(A-5)
(A-6)
(A-7)
(A-8)
(A-9)
(A-10)
(A-11)
(A-12)
(A-13)
7
8
9
10
11
12
13
14
15
16

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS
THE CORRECT PART NUMBER IS SHOWN IN THE
SLIGHTLY DIFFERENT OR AMENDED SINCE THIS

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE
THE MEASUREMENT MODE OF THE DC VOLTAGE
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL,


TP40003
REC 0.48Vp-p
R40113
10K
R40114
10K
(BIAS OSC)
TL40003
VLT0143
Q40033
2SD602A
Q40034
2SD602A
C40106
1000P
C40107
0.022
R40132
C40108
1000P
R40133
33K
C40109
0.01(B)
Q40036
2SB710A-RS
L40005
1m(06)
11.7
(11.3)
C40111
16V100
R40134
R40135
12K
R40136
6800
TP40005
D40009
MA161WA
(CH 1 ERASE (L):ON)
(INPEDANCE MATCHING)
TL40004
VLT0145
TP40007
Q40037
2SB710A-RS
L40006
470U
(06)
Q40036
2SD1862
C40113
1000P
C40114
1000P
R40137
22K
R40138
6800
C40115
C40116
16V10
C40117
1000P
R40140
5600
R40141
10.7
(CH 1 ERASE (L):ON)
(INV.)
Q40038
MSB709
R40144
4700
Q40039
2SD602A
Q40040
R40147
4700
R40143
4700
(10.7)
(10.0)
TP40008
(CH 2 ERASE (L):ON)
(INPEDANCE MATCHING)
TL40005
VLT0145
C40123
16V10
Q40041
2SB710A-RS
L40009
470U
(06)
R40157
22K
Q40044
2SD1862
C40120
1000P
C40121
1000P
R40146
6800
C40122
C40124
50V2R2(N)
R40150
R40151
1000
11.7
(10.4)
R40149
10
(1/2W)
(INV.)
Q40042
MSB709
R40154
4700
Q40043
2SD602A
Q40049
R40199
4700
R40153
4700
(10.9)
(10.2)
(CH 2 ERASE (L):ON)
D40012
MA161WA
TP40001
REC/PLAY 120mVp-p
LIN CH1
OUT LEVEL
TPG40001
GND
TP40004
REC 0.44Vp-p
R40145
VR40002
10KB
NORMAL CH1
OUT LEVEL
AG-7650 ONLY
TPG40002
GND
CH2ERL
TP40005
REC 80mVp-p
TP40007
REC 33Vp-p
TP40008
REC 38Vp-p
TP40501
REC 1.46Vp-p
C40523
AG-7750 : 16V100
AG-7650 : 16V470
A REG+12V
A REG −12V
L40501
1m(06)
L40502
1m(06)
C40504
16V100
C40507
16V100
D40501
MA156
(POWER ON MUTE)
R40502
56K
C40502
16V22
R40504
100K
R40501
150K
Q40503
MSB709
4.7
4.8
-0.6
C40508
16V100
IC40505 MN1280-R
(RESET)
4.4
4.4
D40504
MA151K
C40501
0.01
R40503
150
R40524
1000
MRN1403
QR40502
(INV.)
0
(5.0)
3.3
(0)
JW40501
R40514
10K
R40515
2200
Q40504
2SB710A-RS
(RELAY DRIVE)
11.7
NOT USE
JW40502
D40502
MA151K
RY40501
VSY2067
AG-7650 ONLY
MC14053BF
IC40504
MC14053BF
IC40504
MC14053BF
IC40504
SCRSL
MRN1403
QR40501 (INV.)
IC40503 AN360 (AMP)
-6.2
TP40501
R40522
56K
C40522
10V33
33P
C40518
1000P
C40519
50V1
R40518
56
R40519
1000
R40523
1000
C40520
R40520
4700
R40521
22K
C40521
16V33
R40517
2200
C40516
1000P
R40516
560
C40515
16V100
C40517
16V100
(A-1)
(A-2)
(A-3)
(A-4)
(A-5)
(A-6)
(A-7)
(A-8)
(A-9)
(A-10)
(A-11)
(A-12)
(A-13)
R40525
10K
IC40502
MN1280-R
(RESET)
R40505
470
C40509
10V33
C40510
0.1(B)
5.0
5.0
IC40501
M50727-***FP
(AUDIO CONTROL MICROPROCESSER)
RST
INT
AVss
V REF
K0
K1
K2
FM OUT(L)
AV DD
S0 CH1 EE L
S1 CH1 MUT L
S2 CH1 REC L
S3 CH1 ERASE L
S4 CH2 EE L
S5 CH2 MUT L
S6 CH2 REC L
S7 CH2 ERASE L
D0 DOLBY NR ON L
D1 LIMMTER ON L
CNVss
Vss
VDD
CNTR
X IN
X OUT
G3 TRIC L
G2 X2 L
G1 TCMUT H
G0 CH1 X2 L
SIN S.DATA
SWT
CLK CLK
S PDY
D10 TC REC L
D9 TC EE L
D8 TC ON L
D7 FM D.REC L
D6 FM MUT L
D5 FM EE L
D4 FM REC L
D3 MIX REC L
D2 FM INPUT L
R40506
R40507
R40508
R40509
10K
NOT USED
CH1EEL
CH1MUTL
CH1RPL
CH1ERL
CH2EEL
CH2MUTL
CH2RPL
CH2ERL
DOLBONL
LIMONL
R40511
10K
R40513
10K
R40512
100K
C40511
16V10
C40512
0.01
R40510
1M
C40513
30P
C40514
30P
VSX0285
X40501
D40503
MA151WK
X2L
TCX2L
CH1X2L
P40004
13 Hi-Fi OUT (L) P62501 - 10
12 Hi-Fi MONITOR(L) P62501 - 11
11 AA12V P1502 - 3
10 AA12V P1502 - 3
9 AA GND P1502 - 5
8 AGND P1502 - 5
7 −12V P1502 - 9
6 H SW P2002 - 11B
5 DGND P1008 - 7
4 D5V P1008 - 5
3 SYS CLK P2001 - 1B
2 SYS AUDIO P2001 - 8A
1 PB Hi-Fi (L) P61001 - 13B
MOTHER (2)
P40007
(TO Hi-Fi AUDIO)
1 H_SW P41503 - 1
2 Hi-Fi H SW P41503 - 2
3 TRIC (L) P41503 - 3
4 TC MUT(H) P41503 - 4
5 TC EE (L) P41503 - 5
6 Hi-Fi DREC(L) P41503 - 6
7 Hi-Fi MUTE(L) P41503 - 7
8 Hi-Fi EE (L) P41503 - 8
9 Hi-Fi REC(L) P41503 - 9
10 MIX REC (L) P41503 - 10
11 Hi-Fi IN(L) P41503 - 11
12 MET GND P41503 - 12
P40006 (TO Hi Fi AUDIO)
1 LIN CH1 OUT P41006 - 1
2 LIN CH1 GND P41006 - 2
3 LIN CH1 IN P41006 - 3
4 CH1 GND P41006 - 4
5 S-CAS (H) P41006 - 5
6 Hi-Fi OUT(L) P41006 - 6
7 Hi-Fi MONITOR(L) P41006 - 7
8 AA GND P41006 - 8
9 A12V P41006 - 9
10 −12V P41006 - 10
11 POWER MUT P41006 - 11
12 PB Hi-Fi (H) P41006 - 12
10
11
12
13
14
15
16
17
18

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL…NTSC COLOR SIGNAL, MEASUREMENT TAPE…S-VHS CASSETTE TAPE.

★ パーツの注文については、パーツリストを参照してください。

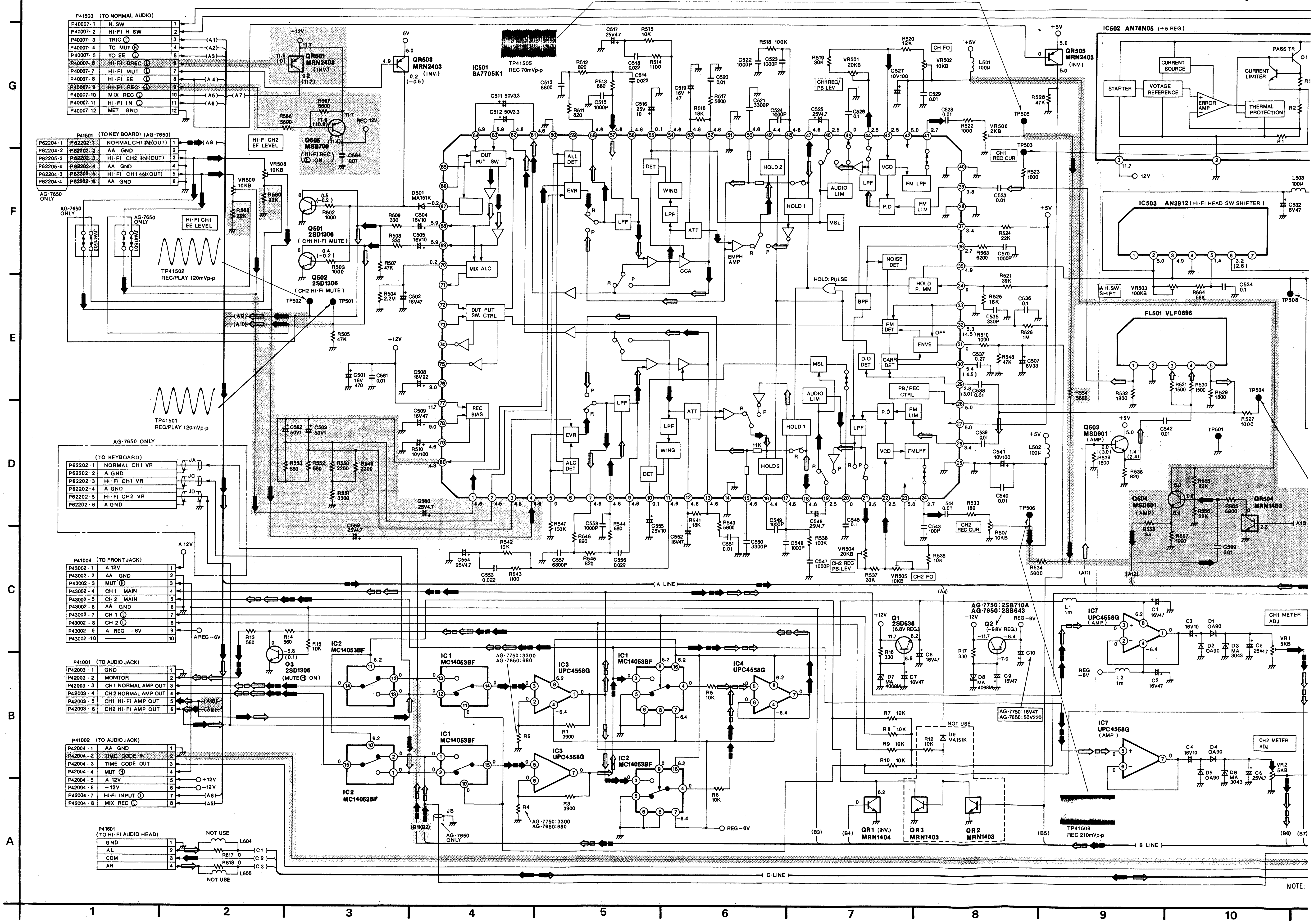
注意：DC電圧の測定値は、録画は（ ）付
停止は（ ）なし
録画停止共通は（ ）なしで示してあります。

Hi-Fi AUDIO SCHEMATIC DIAGRAM

Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MODE

Hi-Fi AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

NOR



P41503 (TO NORMAL AUDIO)
H. SW
Hi-Fi H.SW
TRIC
TC MUT
TC EE
Hi-Fi DREC
Hi-Fi MUT
Hi-Fi EE
Hi-Fi REC
MIX REC
Hi-Fi IN
MET GND
P41501 (TO KEY BOARD) (AG-7650)
NORMAL CH1 IN(OUT)
AA GND
Hi-Fi CH2 IN(OUT)
Hi-Fi CH1 IN(OUT)
AG-7650 ONLY
QR501 MRN2403 (INV.)
QR503 MRN2403 (INV.)
Q505 MSB709
(Hi-Fi REC) Ⓛ:ON
REC 12V
Hi-Fi CH2 EE LEVEL
Hi-Fi CH1 EE LEVEL
VR508 10KB
VR509 10KB
Q501 2SD1306 (CH1 Hi-Fi MUTE)
Q502 2SD1306 (CH2 Hi-Fi MUTE)
TP41502 REC/PLAY 120mVp-p
TP41501 REC/PLAY 120mVp-p
TP502
TP501
IC501 BA7705K1
TP41505 REC 70mVp-p
OUT PUT SW
MIX ALC
OUT PUT SW. CTRL
REC BIAS
ALL DET
EVR
ALC DET
DET
WING
LPF
ATT
CCA
EMPH AMP
HOLD 2
HOLD 1
MSL
AUDIO LIM
VCO
P.D
FM LPF
FM LIM
NOISE DET
HOLD P. MM
BPF
FM DET
ENVE
D.O DET
CARR DET
PB/REC CTRL
HOLD: PULSE
CH1 REC/PB LEV
CH FO
CH1 REC CUR
CH2 REC CUR
CH2 REC PB. LEV
CH2 FO
VR501 20KB
VR502 10KB
VR506 2KB
VR504 20KB
VR505 10KB
VR503 100KB
TP503
TP504
TP505
TP506
TP508
QR505 MRN2403 (INV.)
IC502 AN78N05 (+5 REG.)
STARTER
VOTAGE REFERENCE
CURRENT SOURCE
ERROR AMP
CURRENT LIMITER
PASS TR
THERMAL PROTECTION
IC503 AN3912 (Hi-Fi HEAD SW SHIFTER)
A.H.SW SHIFT
FL501 VLF0896
Q503 MSD601 (AMP)
Q504 MSD601 (AMP)
QR504 MRN1403
AG-7650 ONLY
(TO KEYBOARD)
NORMAL CH1 VR
A GND
Hi-Fi CH1 VR
Hi-Fi CH2 VR
P41004 (TO FRONT JACK)
A 12V
AA GND
MUT
CH1 MAIN
CH2 MAIN
CH 1
CH 2
A REG -6V
P41001 (TO AUDIO JACK)
GND
MONITOR
CH1 NORMAL AMP OUT
CH2 NORMAL AMP OUT
CH1 Hi-Fi AMP OUT
CH2 Hi-Fi AMP OUT
P41002 (TO AUDIO JACK)
TIME CODE IN
TIME CODE OUT
-12V
Hi-Fi INPUT
MIX REC
P41601 (TO Hi-Fi AUDIO HEAD)
COM
NOT USE
Q3 2SD1306 (MUTE Ⓗ:ON)
IC2 MC14053BF
IC1 MC14053BF
IC3 UPC4558G
IC4 UPC4558G
AG-7750: 3300
AG-7650: 680
Q1 2SD638 (6.8V REG.)
AG-7750: 2SB710A
AG-7650: 2SB643
Q2 (-6.8V REG.)
AG-7750: 16V47
AG-7650: 50V220
QR1 (INV.) MRN1404
QR3 MRN1403
QR2 MRN1403
IC7 UPC4558G (AMP)
CH1 METER ADJ
CH2 METER ADJ
TP41506 REC 210mVp-p
A LINE
B LINE
C LINE
REG-6V
NOTE:
G
F
E
D
C
B
A
1
2
3
4
5
6
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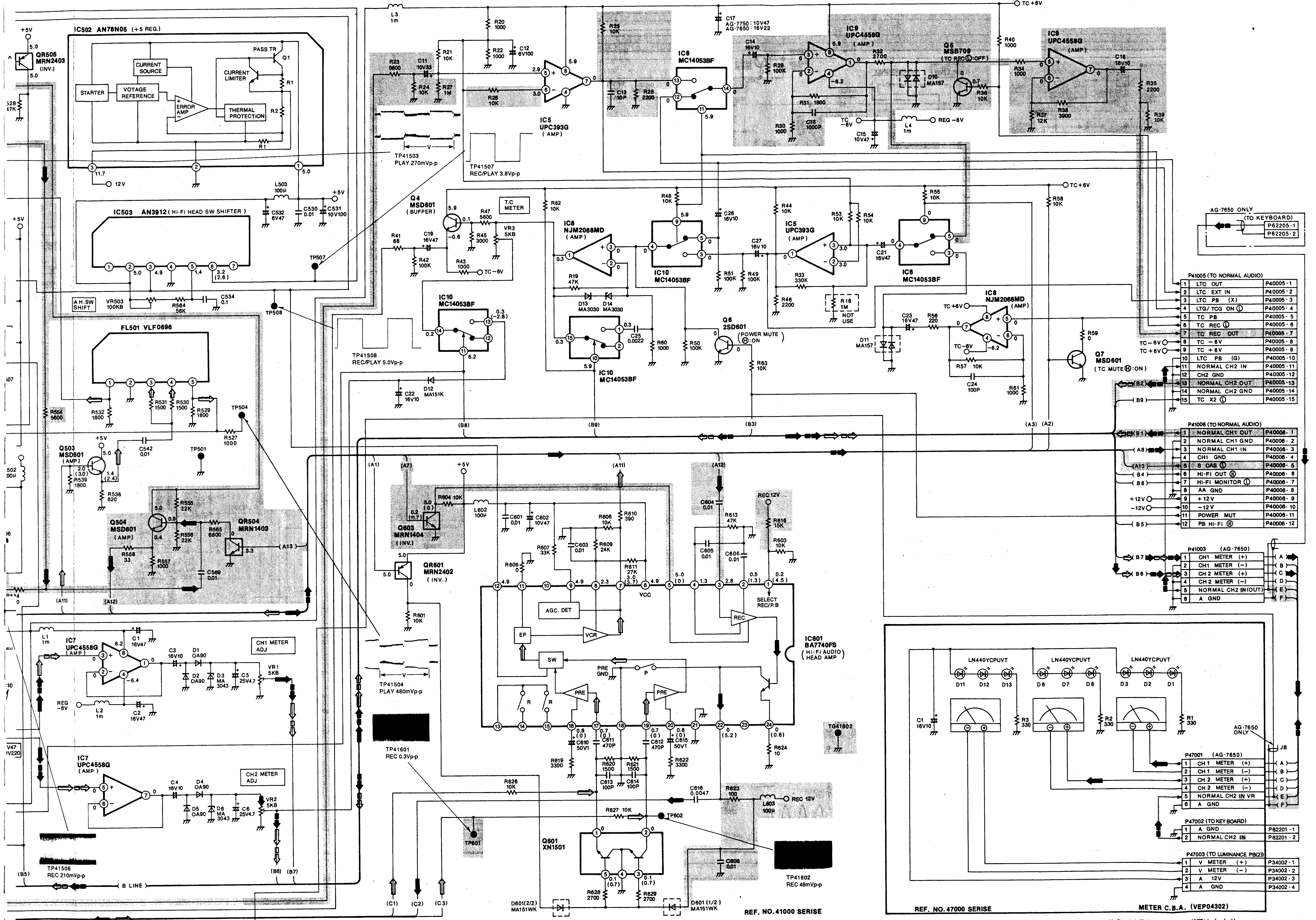
8
9
10

I IN PLAYBACK MODE ◀■ NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE ⇦□ NORMAL AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE


IC502 AN78N05 (+5 REG.)
PASS TR
CURRENT SOURCE
CURRENT LIMITER
STARTER
VOLTAGE REFERENCE
ERROR AMP
THERMAL PROTECTION
QR505 MRN2403 (INV.)
IC503 AN3912 (HI-FI HEAD SW SHIFTER)
A.H.SW SHIFT
FL501 VLF0696
Q503 MSD601 (AMP)
Q504 MSD601 (AMP)
QR504 MRN1403
TP501
TP504
TP507
TP508
IC5 UPC393G (AMP)
TP41503 PLAY 270mVp-p
TP41507 REC/PLAY 3.8Vp-p
Q4 MSD601 (BUFFER)
T.C METER
IC8 NJM2068MD (AMP)
IC6 MC14053BF
IC9 UPC4558G (AMP)
Q5 MSB709 (TC REC Ⓛ:OFF)
IC10 MC14053BF
IC5 UPC393G (AMP)
IC6 MC14053BF
IC8 NJM2068MD (AMP)
Q6 2SD601 (POWER MUTE Ⓗ:ON)
Q7 MSD601 (TC MUTE Ⓗ:ON)
TP41508 REC/PLAY 5.0Vp-p
TC +6V
TC -6V
REG -6V
AG-7650 ONLY (TO KEYBOARD)
P41005 (TO NORMAL AUDIO)
1 LTC OUT P40005-1
2 LTC EXT IN P40005-2
3 LTC PB (X) P40005-3
4 LTG/TCG ON Ⓛ P40005-4
5 TC PB P40005-5
6 TC REC Ⓛ P40005-6
7 TC REC OUT P40005-7
8 TC -6V P40005-8
9 TC +6V P40005-9
10 LTC PB (G) P40005-10
11 NORMAL CH2 IN P40005-11
12 CH2 GND P40005-12
13 NORMAL CH2 OUT P40005-13
14 NORMAL CH2 GND P40005-14
15 TC X2 Ⓛ P40005-15
P41006 (TO NORMAL AUDIO)
1 NORMAL CH1 OUT P40006-1
2 NORMAL CH1 GND P40006-2
3 NORMAL CH1 IN P40006-3
4 CH1 GND P40006-4
5 8 CAS Ⓛ P40006-5
6 HI-FI OUT Ⓡ P40006-6
7 HI-FI MONITOR Ⓛ P40006-7
8 AA GND P40006-8
9 +12V P40006-9
10 -12V P40006-10
11 POWER MUT P40006-11
12 PB HI-FI Ⓗ P40006-12
P41003 (AG-7650)
1 CH1 METER (+)
2 CH1 METER (-)
3 CH2 METER (+)
4 CH2 METER (-)
5 NORMAL CH2 IN(OUT)
6 A GND
IC7 UPC4558G (AMP)
CH1 METER ADJ
CH2 METER ADJ
TP41504 PLAY 480mVp-p
TP41506 REC 210mVp-p
TP41601 REC 0.3Vp-p
QR603 MRN1404 (INV.)
QR601 MRN2402 (INV.)
IC601 BA7740FS (HI-FI AUDIO HEAD AMP)
AGC. DET
EP
VCR
SW
REC
PRE
SELECT REC/P.B
REC 12V
TG41602
TP601
TP602
Q601 XN1501
D601(2/2) MA151WK
D601(1/2) MA151WK
TP41602 REC 48mVp-p
B LINE
REF. NO. 41000 SERISE
LN440YCPUVT
AG-7650 ONLY
P47001 (AG-7650)
1 CH1 METER (+)
2 CH1 METER (-)
3 CH2 METER (+)
4 CH2 METER (-)
5 NORMAL CH2 IN VR
6 A GND
P47002 (TO KEYBOARD)
1 A GND P62201-1
2 NORMAL CH2 IN P62201-2
P47003 (TO LUMINANCE PB(2))
1 V METER (+) P34002-1
2 V METER (-) P34002-2
3 A 12V P34002-3
4 A GND P34002-4
REF. NO. 47000 SERISE
METER C.B.A. (VEP04302)

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE
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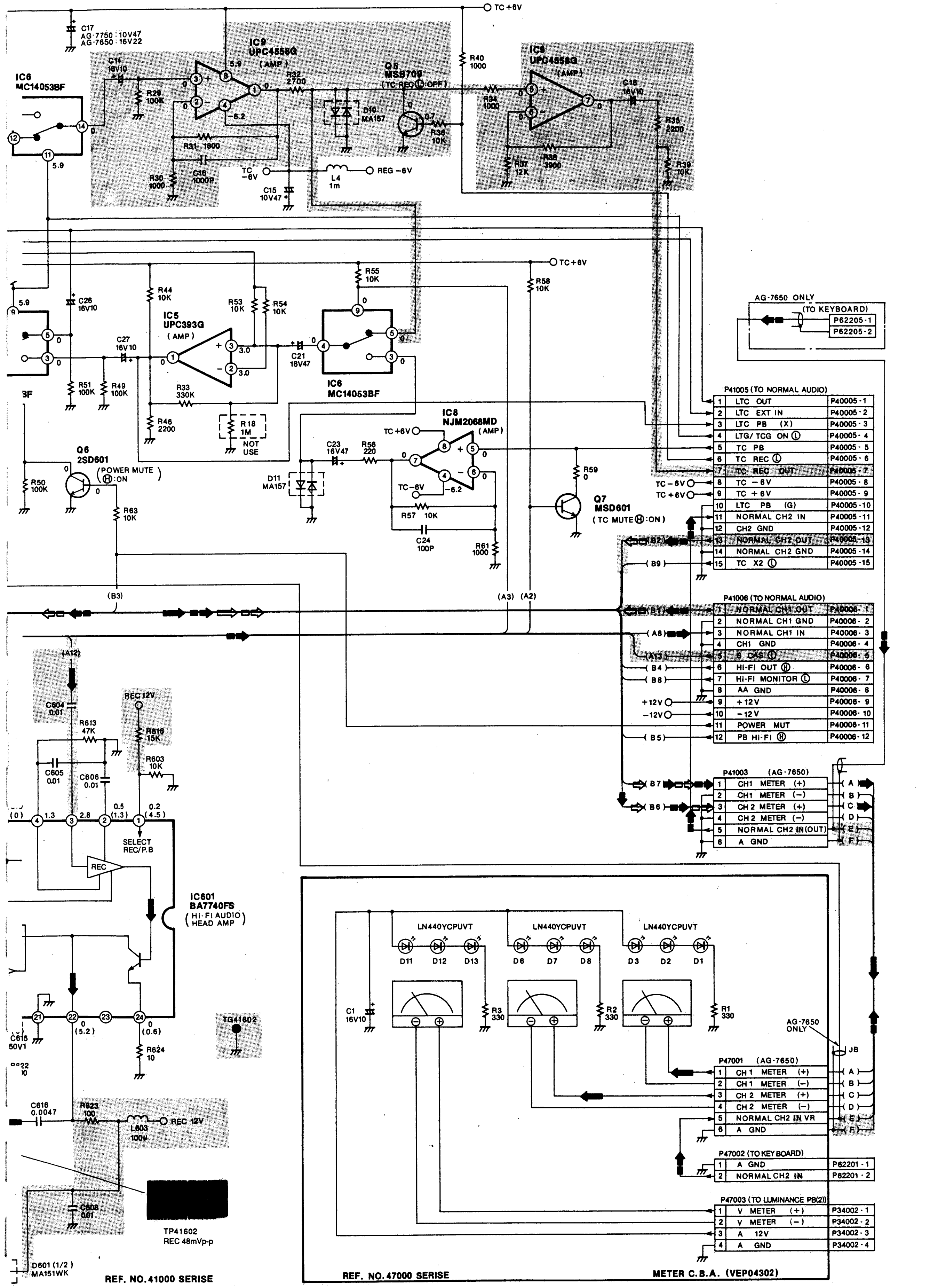
★パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

注意：DC電圧の測定値は、録画は（ ）付
再生は（ ）なし
録再共通は（ ）なしで示してあります。

9 10 11 12 13 14 15 16 17 18

NORMAL AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE


IC9 UPC4558G (AMP)
Q5 MSB709 (TC REC Ⓛ:OFF)
IC9 UPC4558G (AMP)
IC6 MC14053BF
IC5 UPC393G (AMP)
IC6 MC14053BF
IC8 NJM2068MD (AMP)
Q6 2SD601 (POWER MUTE Ⓗ:ON)
Q7 MSD601 (TC MUTE Ⓗ:ON)
TC+6V
REG -6V
AG-7650 ONLY
(TO KEYBOARD)
P62205-1
P62205-2
P41005 (TO NORMAL AUDIO)
LTC OUT
LTC EXT IN
LTC PB (X)
LTG/TCG ON Ⓛ
TC PB
TC REC Ⓛ
TC REC OUT
TC -6V
TC +6V
LTC PB (G)
NORMAL CH2 IN
CH2 GND
NORMAL CH2 OUT
NORMAL CH2 GND
TC X2 Ⓛ
P41006 (TO NORMAL AUDIO)
NORMAL CH1 OUT
NORMAL CH1 GND
NORMAL CH1 IN
CH1 GND
B CAS Ⓛ
HI-FI OUT Ⓗ
HI-FI MONITOR Ⓛ
AA GND
+12V
-12V
POWER MUT
PB HI-FI Ⓗ
P41003 (AG-7650)
CH1 METER (+)
CH1 METER (-)
CH2 METER (+)
CH2 METER (-)
NORMAL CH2 IN(OUT)
A GND
IC601 BA7740FS (HI-FI AUDIO HEAD AMP)
SELECT REC/P.B
TG41602
TP41602 REC 48mVp-p
D601 (1/2) MA151WK
LN440YCPUVT
P47001 (AG-7650)
CH1 METER (+)
CH1 METER (-)
CH2 METER (+)
CH2 METER (-)
NORMAL CH2 IN VR
A GND
P47002 (TO KEY BOARD)
A GND
NORMAL CH2 IN
P62201-1
P62201-2
P47003 (TO LUMINANCE PB(2))
V METER (+)
V METER (-)
A 12V
A GND
P34002-1
P34002-2
P34002-3
P34002-4
REF. NO. 41000 SERISE
REF. NO. 47000 SERISE
METER C.B.A. (VEP04302)

してください。

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

注意：DC電圧の測定値は、録画は（ ）付
再生は（ ）なし
録再共通は（ ）なしで示してあります。

14 15 16 17 18

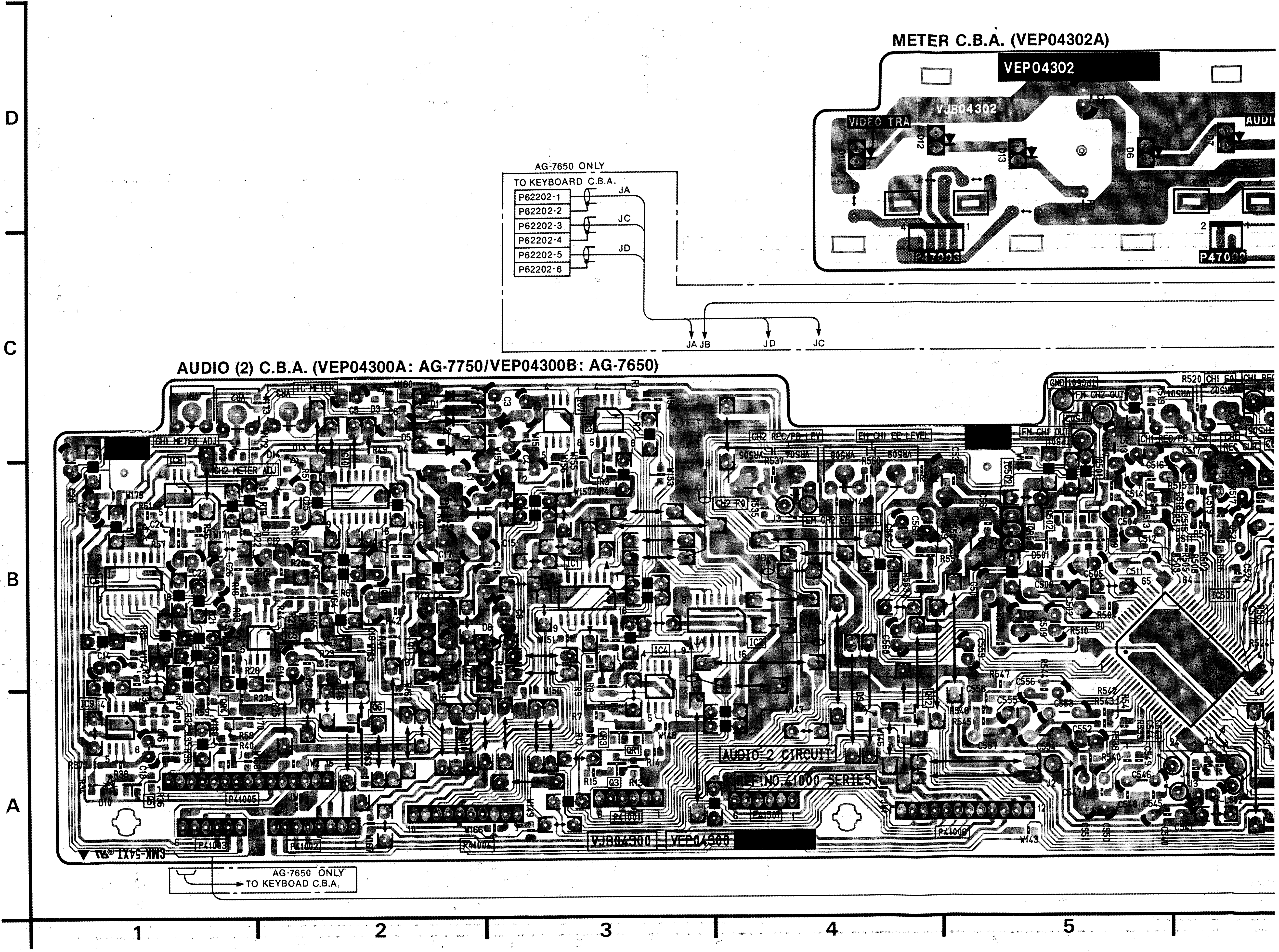
METER C.B.A.	
Connectors	
P47001	C-7
P47002	C-6
P47003	C-5

ADDRESS INFORMATION

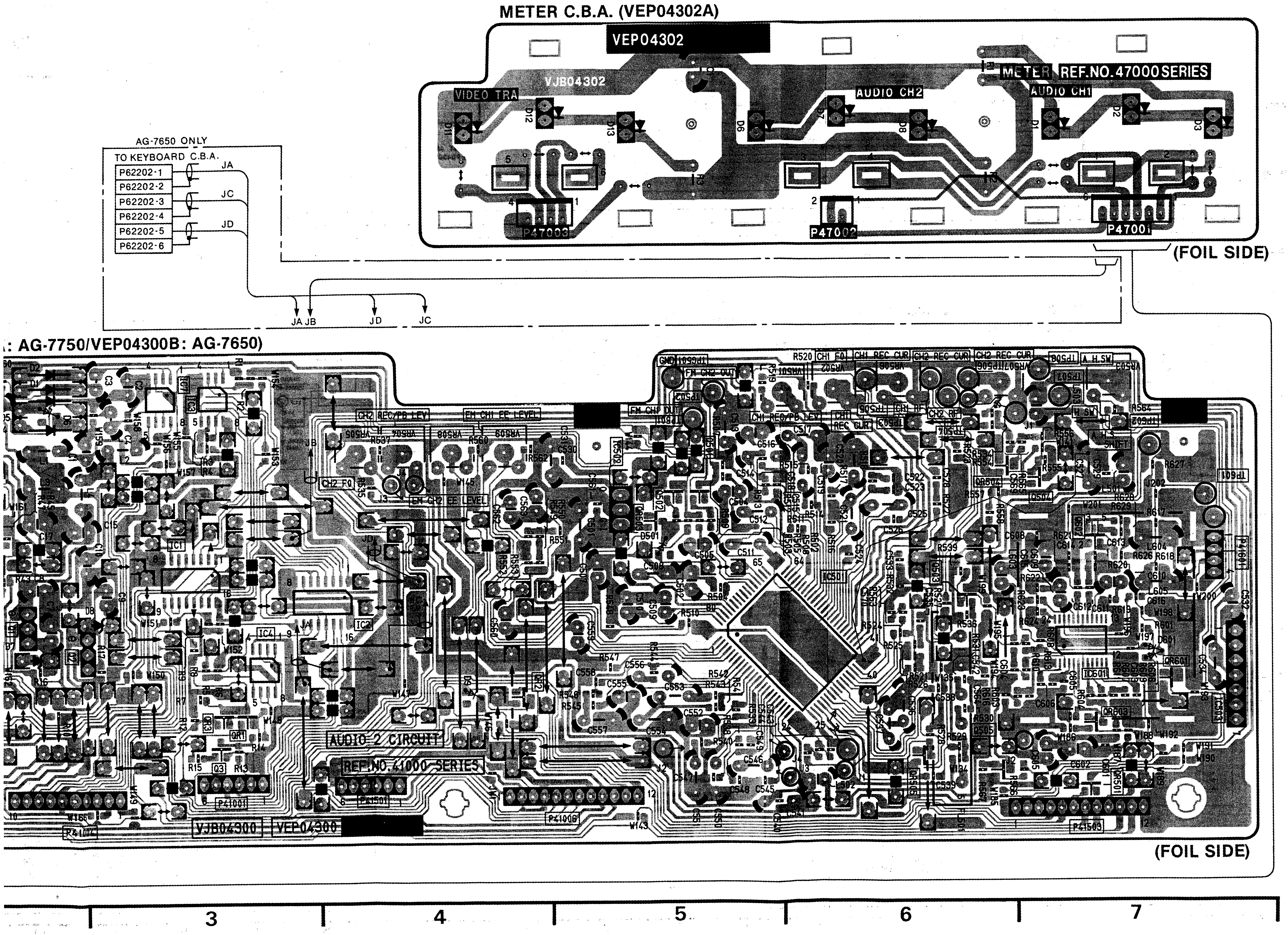
AUDIO (2) C.B.A.	
Transistors	
Q41001	B-2
Q41002	B-2
Q41002	B-2
Q41003	A-3
Q41004	B-2
Q41005	A-1
Q41006	A-2
Q41501	B-5
Q41502	B-5
Q41503	B-6
Q41504	B-7
Q41505	A-6
Q41602	B-7
Transistor & Resistors	
QR41001	A-3
QR41002	A-4
QR41003	A-3
QR41004	A-1
QR41501	A-7
QR41503	B-5
QR41504	B-6
QR41505	A-6
QR41601	A-7
QR41603	A-7
Integrated Circuits	
IC41001	B-3
IC41002	B-4
IC41003	C-3
IC41004	B-3
IC41005	B-2
IC41006	B-1
IC41007	C-3
IC41008	B-1
IC41009	A-1
IC41010	B-2
IC41501	B-6
IC41502	B-5
IC41503	A-7
IC41601	A-7
Test Points	
TP41501	C-5
TP41502	C-5
TP41503	C-6
TP41504	C-6
TP41505	C-6
TP41506	C-6
TP41507	C-7
TP41508	C-7
TP41601	B-7
TP41602	C-7
TPG41501	C-5
Adjustments	
VR41001	C-1
VR41002	C-1
VR41003	C-2
VR41501	C-6
VR41502	C-6
VR41503	C-7
VR41504	B-4
VR41505	B-4
VR41506	C-6
VR41507	C-6
VR41508	B-4
VR41509	B-4
Connectors	
P41001	A-3
P41002	A-2
P41003	A-1
P41004	A-1
P41005	A-1
P41006	A-5
P41501	A-4
P41503	A-7
P41601	B-7

ADDRESS INFORMATION

AUDIO (2) C.B.A. (VEP04300A: AG-7750/VEP04300B: AG-7650) AND METER C.B.A. (VEP04302A)


METER C.B.A. (VEP04302A)
VEP04302
VJB04302
VIDEO TRA
AUDI
D11
D12
D13
D6
P47003
P470
AG-7650 ONLY
TO KEYBOARD C.B.A.
P62202-1
P62202-2
P62202-3
P62202-4
P62202-5
P62202-6
JA
JC
JD
JA JB
JD
JC
AUDIO (2) C.B.A. (VEP04300A: AG-7750/VEP04300B: AG-7650)
CH1 METER ADJ
CH2 METER ADJ
TO METER
CH2 REC/PB LEV
FM CH1 FE LEVEL
FM CH2 FE LEVEL
CH2 F0
FM CH2 OUT
FM CH1 OUT
CH1 REC/PB LEV
CH1 F0
AUDIO 2 CIRCUIT
REF NO. 41000 SERIES
VJB04300
VEP04300
P41005
P41003
P41002
P41004
P41001
P41501
P41006
IC1
IC2
IC3
IC4
IC5
IC6
IC8
IC9
IC10
AG-7650 ONLY
TO KEYBOARD C.B.A.
D
C
B
A
1
2
3
4
5

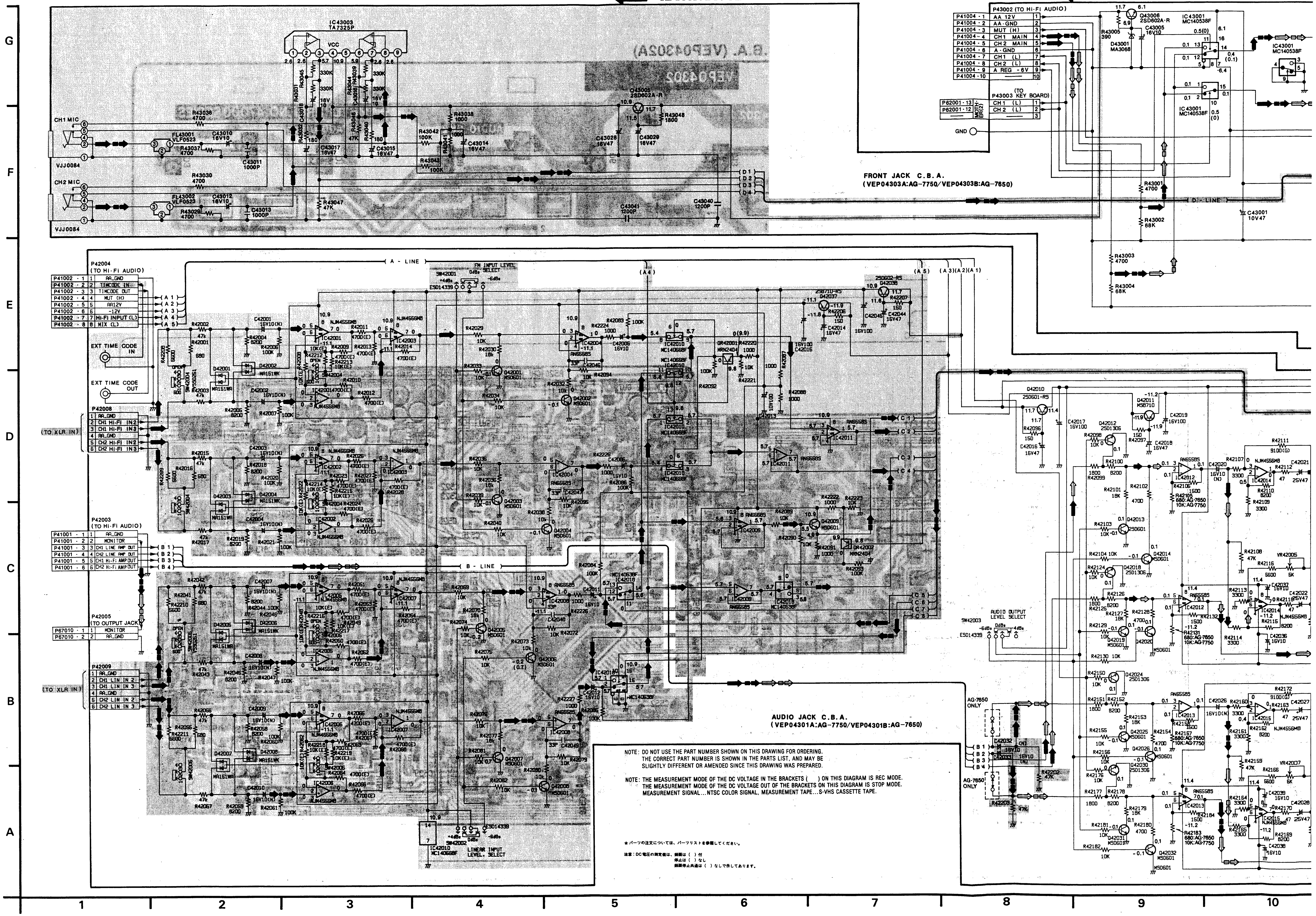
EP04300B: AG-7650) AND METER C.B.A. (VEP04302A)


METER C.B.A. (VEP04302A)
VEP04302
VJB04302
VIDEO TRA
AUDIO CH2
METER REF.NO.47000 SERIES
AUDIO CH1
P47003
P47002
P47001
(FOIL SIDE)
AG-7650 ONLY
TO KEYBOARD C.B.A.
P62202-1
P62202-2
P62202-3
P62202-4
P62202-5
P62202-6
JA
JC
JD
JA JB
JD
JC
: AG-7750/VEP04300B: AG-7650)
CH2 REC/PB LEV
EM CH1 EE LEVEL
FM CH2 EE LEVEL
CH1 REC/PB LEV
CH1 REC CUR
CH2 REC CUR
AUDIO 2 CIRCUIT
REF.NO.41000 SERIES
VJB04300
VEP04300
P41001
P41501
P41006
P41503
(FOIL SIDE)
3
4
5
6
7

AUDIO JACK AND FRONT JACK SCHEMATIC DIAGRAM

NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE (AG-7750)
Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MODE (AG-7750)

NORMAL AUDIO MAIN SIGNAL PATH
Hi-Fi AUDIO MAIN SIGNAL PATH IN PI


G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
IC43003 TA7325P
VCC
CH1 MIC
CH2 MIC
VJJ0084
FL43001 VLF0523
FL43002 VLF0523
Q43005 2SD602A-R
.B.A. (VEP04302A)
VEP04302
P43002 (TO Hi-Fi AUDIO)
P41004-1 AA 12V
P41004-2 AA-GND
P41004-3 MUT (H)
P41004-4 CH1 MAIN
P41004-5 CH2 MAIN
P41004-6 A-GND
P41004-7 CH1 (L)
P41004-8 CH2 (L)
P41004-9 A REG -6V
P41004-10
P43003 (TO KEY BOARD)
P62001-13 CH1 (L)
P62001-12 CH2 (L)
GND
Q43006 2SD602A-R
IC43001 MC140538F
D43001 MA3068
FRONT JACK C.B.A.
(VEP04303A:AG-7750/VEP04303B:AG-7650)
D1
D2
D3
D4
D-LINE
P42004 (TO Hi-Fi AUDIO)
P41002-1 AA_GND
P41002-2 TIMCODE IN
P41002-3 TIMCODE OUT
P41002-4 MUT (H)
P41002-5 AA12V
P41002-6 -12V
P41002-7 Hi-Fi INPUT (L)
P41002-8 MIX (L)
A-LINE
FM INPUT LEVEL SELECT
SW42001
ESD14339
EXT TIME CODE IN
EXT TIME CODE OUT
P42008
AA_GND
CH1 Hi-Fi IN2
CH1 Hi-Fi IN3
AA_GND
CH2 Hi-Fi IN2
CH2 Hi-Fi IN3
(TO XLR IN)
P42003 (TO Hi-Fi AUDIO)
P41001-1 AA_GND
P41001-2 MONITOR
P41001-3 CH1 LINE AMP OUT
P41001-4 CH2 LINE AMP OUT
P41001-5 CH1 Hi-Fi AMP OUT
P41001-6 CH2 Hi-Fi AMP OUT
B-LINE
P42005 (TO OUTPUT JACK)
P67010-1 MONITOR
P67010-2 AA_GND
P42009
AA_GND
CH1 LIN IN 2
CH1 LIN IN 3
AA_GND
CH2 LIN IN 2
CH2 LIN IN 3
(TO XLR IN)
NJM4556MB
AN6568S
MC14066BF
MA151WK
MA151WA
M5D601
2SD1306
MRN2404
AUDIO OUTPUT LEVEL SELECT
SW42003
ESD14339
AG-7650 ONLY
LINEAR INPUT LEVEL SELECT
SW42002
ESD14339
IC42010 MC14066BF

AUDIO JACK C.B.A.
(VEP04301A:AG-7750/VEP04301B:AG-7650)

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MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

★ パーツの注文については、パーツリストを参照してください。

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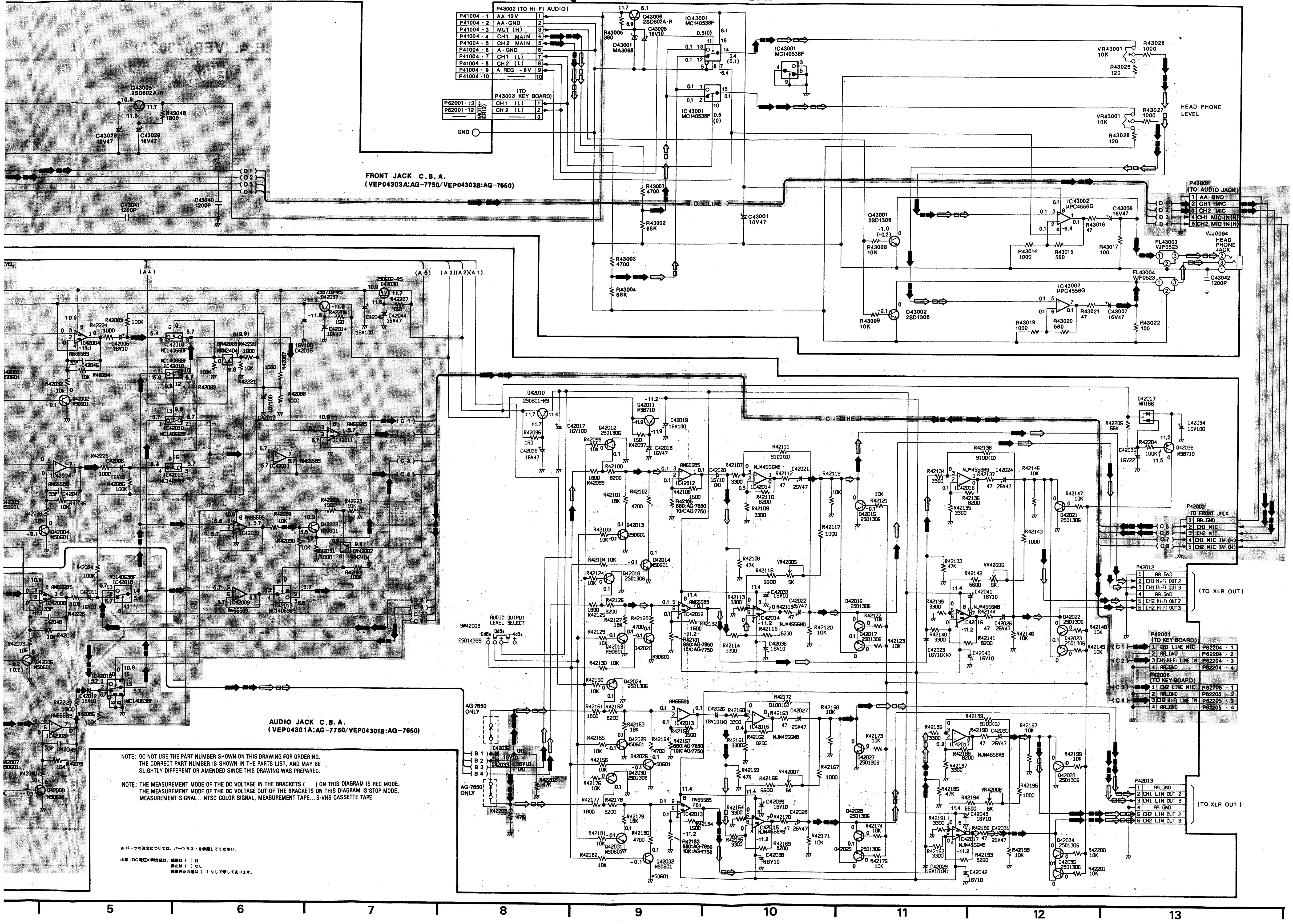
停止は（　）なし
録画停止共通は（　）なしで示してあります。

◀■ NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE (AG-7750)
◀ Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MODE (AG-7750)
⇦□ NORMAL AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
⇦ Hi-Fi AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE


FRONT JACK C.B.A.
(VEP04303A:AG-7750/VEP04303B:AG-7650)
AUDIO JACK C.B.A.
(VEP04301A:AG-7750/VEP04301B:AG-7650)
P43002 (TO Hi-Fi AUDIO)
P41004 - 1 AA 12V 1
P41004 - 2 AA-GND 2
P41004 - 3 MUT (H) 3
P41004 - 4 CH1 MAIN 4
P41004 - 5 CH2 MAIN 5
P41004 - 6 A-GND 6
P41004 - 7 CH1 (L) 7
P41004 - 8 CH2 (L) 8
P41004 - 9 A REG -6V 9
P41004 - 10 10
P43003 (TO KEY BOARD)
P62001 - 13 CH1 (L) 1
P62001 - 12 CH2 (L) 2
3
GND
HEAD PHONE LEVEL
VR43001 10K
R43026 1000
R43025 120
VR43001 10K
R43027 1000
R43028 120
IC43001 MC140538F
Q43006 2SD602A-R
D43001 MA3068
IC43002 μPC4556G
Q43001 2SD1306
Q43002 2SD1306
FL43003 VJF0523
FL43004 VJF0523
VJJ0094 HEAD PHONE JACK
C43042 1200P
P43001 (TO AUDIO JACK)
1 AA-GND
2 CH1 MIC
3 CH2 MIC
4 CH1 MIC IN(H)
5 CH2 MIC IN(H)
D 1
D 2
D 3
D 4
D-LINE
C-LINE
P42002 TO FRONT JACK
1 AA_GND
2 CH1 MIC
3 CH2 MIC
4 CH1 MIC IN (H)
5 CH2 MIC IN (H)
C 5
C 6
C 7
C 8
P42012
1 AA_GND
2 CH1 Hi-Fi OUT 2
3 CH1 Hi-Fi OUT 3
4 AA_GND
5 CH2 Hi-Fi OUT 2
6 CH2 Hi-Fi OUT 3
(TO XLR OUT)
P42001 (TO KEY BOARD)
1 CH1 LINE MIC P62204 - 1
2 AA_GND P62204 - 2
3 CH1 Hi-Fi LINE IN P62204 - 3
4 AA_GND P62204 - 4
P42006 (TO KEY BOARD)
1 CH2 LINE MIC P62205 - 1
2 AA_GND P62205 - 2
3 CH2 Hi-Fi LINE IN P62205 - 3
4 AA_GND P62205 - 4
C 1
C 2
C 3
C 4
P42013
1 AA_GND
2 CH1 LIN OUT 2
3 CH1 LIN OUT 3
4 AA_GND
5 CH2 LIN OUT 2
6 CH2 LIN OUT 3
(TO XLR OUT)
SW42003 AUDIO OUTPUT LEVEL SELECT
-6dB 0dB +4dB
ESD14339
AG-7650 ONLY
AG-7650 ONLY
B 1
B 2
B 3
B 4
A 1
A 2
A 3
A 4
A 5
C42032 16V10
C42033 16V10
R42202 47K
R42203 47K
NJM4556MB
AN6558S
VR42005 5K
VR42006 5K
VR42007 5K
VR42008 5K
Q42010 2SD601-R5
Q42011 MS8710
D42017 MA156
Q42036 MS8710
IC42010 MC14066BF
IC42013 MC140538F
QR42001 NRN2404
QR42002 NRN2404
B.A. (VEP04302A)
VEP04302
Q43005 2SD602A-R
R43048 1800
C43028 16V47
C43029 16V47
C43041 1200P
C43040 1200P
5
6
7
8
9
10
11
12
13

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MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

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録画停止共通は（ ）なしで示してあります。

AUDIO JACK C.B.A. (VEP04301A: AG-7750/VEP04301B: AG-7650) AND FRONT JACK C.B.A. (VEP04303A: AG-7750/VEP04303B: AG-7650)

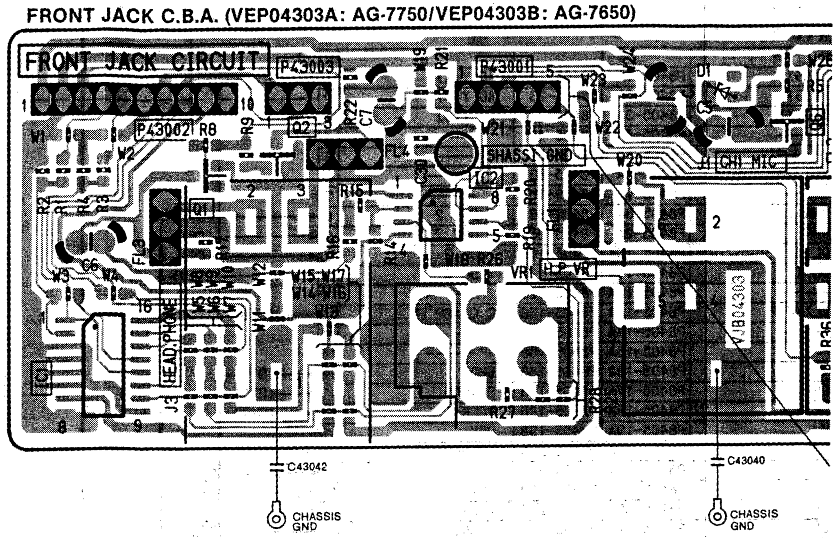
AUDIO JACK C.B.A.	
Transistors	
Q42001	E-5 Ⓕ
Q42002	E-10 ©
Q42003	E-5 Ⓕ
Q42004	E-10 ©
Q42005	D-13 ©
Q42006	D-13 ©
Q42007	D-1 Ⓕ
Q42008	C-2 Ⓕ
Q42009	C-3 Ⓕ
Q42010	B-9 ©
Q42011	B-9 ©
Q42012	A-10 ©
Q42013	B-5 Ⓕ
Q42014	B-5 Ⓕ
Q42015	A-12 ©
Q42016	A-3 Ⓕ
Q42017	A-3 Ⓕ
Q42018	A-10 ©
Q42019	B-5 Ⓕ
Q42020	B-5 Ⓕ
Q42021	A-11 ©
Q42022	A-4 Ⓕ
Q42023	A-4 Ⓕ
Q42024	B-3 Ⓕ
Q42025	B-11 ©
Q42026	B-12 ©
Q42027	A-14 ©
Q42028	A-1 Ⓕ
Q42029	A-1 Ⓕ
Q42030	B-2 Ⓕ
Q42031	B-12 ©
Q42032	B-12 ©
Q42033	A-12 ©
Q42034	A-2 Ⓕ
Q42035	A-2 Ⓕ
Q42036	A-2 Ⓕ
Q42037	D-9 ©
Q42038	D-9 ©
Transistor & Resistors	
QR42001	E-6 Ⓕ
QR42002	D-12 ©
Integrated Circuits	
IC42001	E-12 ©
IC42002	E-11 ©
IC42003	E-10 ©
IC42004	E-9 ©
IC42005	E-13 ©
IC42006	E-12 ©
IC42007	D-1 Ⓕ
IC42007	E-13 ©
IC42008	D-1 Ⓕ
IC42008	D-13 ©
IC42009	D-12 ©
IC42010	E-9 ©
IC42011	E-8 ©
IC42012	B-11 ©
IC42013	B-13 ©
IC42014	B-11 ©
IC42015	B-14 ©
IC42016	B-11 ©
IC42017	B-13 ©
IC42018	D-12 ©
Adjustments	
VR42005	D-4 Ⓕ
VR42005	D-10 ©
VR42006	D-5 Ⓕ
VR42006	D-10 ©
VR42007	D-1 Ⓕ
VR42007	D-14 ©
VR42008	D-1 Ⓕ
VR42008	D-13 ©
Connectors	
P42001	E-5 Ⓕ
P42001	D-10 ©
P42002	D-5 Ⓕ
P42002	D-10 ©
P42003	B-7 Ⓕ
P42003	B-8 ©
P42004	C-7 Ⓕ
P42004	C-8 ©
P42005	D-1 Ⓕ
P42005	D-14 ©
P42006	D-5 Ⓕ
P42006	D-10 ©
P42008	E-4 Ⓕ
P42008	E-11 ©
P42009	E-2 Ⓕ
P42009	E-12 ©
P42012	A-4 Ⓕ
P42012	A-11 ©
P42013	A-2 Ⓕ
P42013	A-13 ©

ADDRESS INFORMATION
©...COMPONENT SIDE
Ⓕ...FOIL SIDE

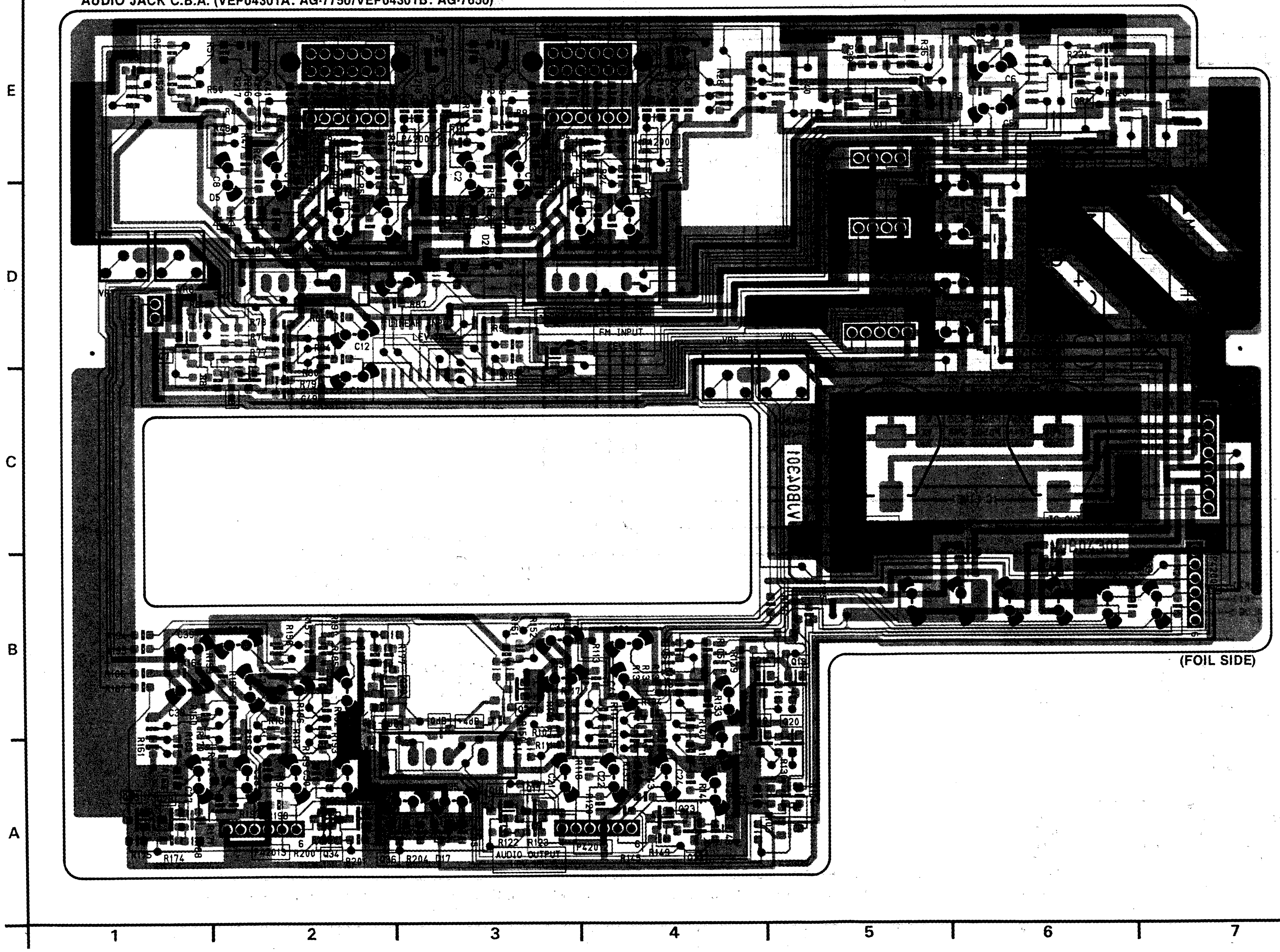
FRONT JACK C.B.A.	
Transistors	
Q43001	G-8
Q43002	G-8
Q43005	G-10
Q43006	G-12
Integrated Circuits	
IC43001	F-8
IC43002	G-9
IC43003	G-12
Adjustment	
VR43001	F-9
Connectors	
P43001	G-9
P43002	G-8
P43003	G-8

ADDRESS INFORMATION

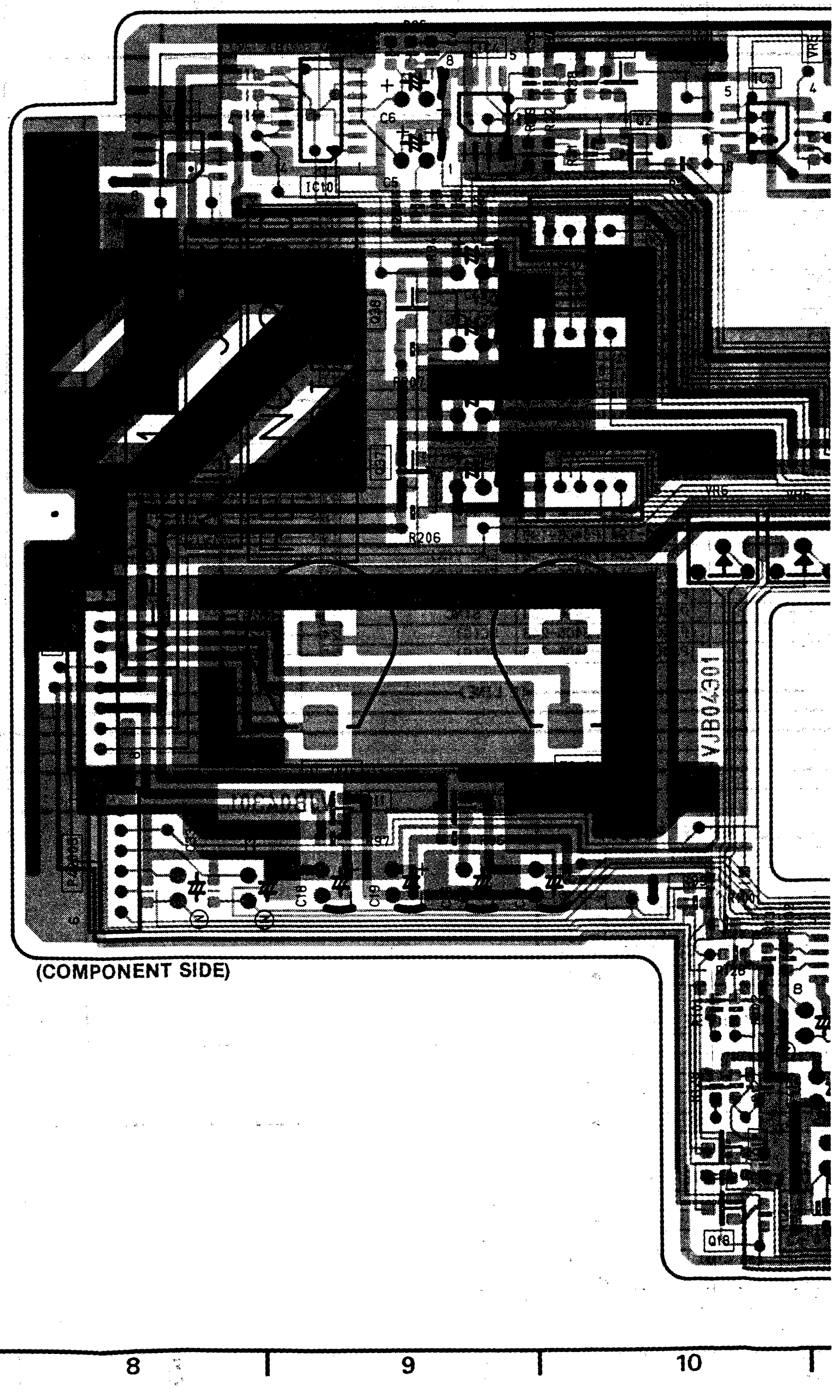
FRONT JACK C.B.A. (VEP04303A: AG-7750/VEP04303B: AG-7650)


FRONT JACK CIRCUIT
P43003
P43001
P43002
CHASSIS GND
HEADPHONE
CHI MIC
VJB04303
C43042
C43040
CHASSIS GND
CHASSIS GND

AUDIO JACK C.B.A. (VEP04301A: AG-7750/VEP04301B: AG-7650)


FM INPUT
AUDIO OUTPUT
VJB04301
E
D
C
B
A
1
2
3
4
5
6
7

(FOIL SIDE)


VJB04301
8
9
10

(COMPONENT SIDE)

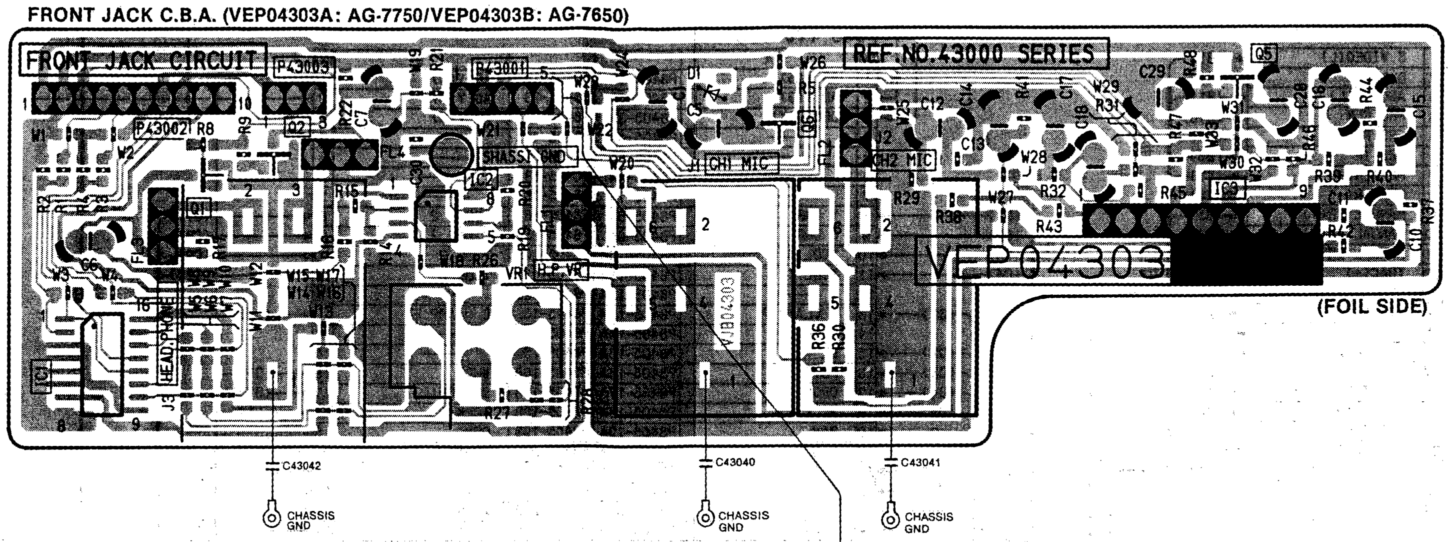
4301B: AG-7650) AND FRONT JACK C.B.A. (VEP04303A: AG-7750/VEP04303B: AG-7650)

2013	B-13 Ⓒ	P42002	D-5 Ⓕ
2014	B-11 Ⓒ	P42002	D-10 Ⓒ
2015	B-14 Ⓒ	P42003	B-7 Ⓕ
2016	B-11 Ⓒ	P42003	B-8 Ⓒ
2017	B-13 Ⓒ	P42004	C-7 Ⓕ
2018	D-12 Ⓒ	P42004	C-8 Ⓒ
tments		P42005	D-1 Ⓕ
		P42005	D-14 Ⓒ
12005	D-4 Ⓕ	P42006	D-5 Ⓕ
12005	D-10 Ⓒ	P42006	D-10 Ⓒ
12006	D-5 Ⓕ	P42008	E-4 Ⓕ
12006	D-10 Ⓒ	P42008	E-11 Ⓒ
12007	D-1 Ⓕ	P42009	E-2 Ⓕ
12007	D-14 Ⓒ	P42009	E-12 Ⓒ
12008	D-1 Ⓕ	P42012	A-4 Ⓕ
12008	D-13 Ⓒ	P42012	A-11 Ⓒ
ectors		P42013	A-2 Ⓕ
		P42013	A-13 Ⓒ
001	E-5 Ⓕ		
001	D-10 Ⓒ		

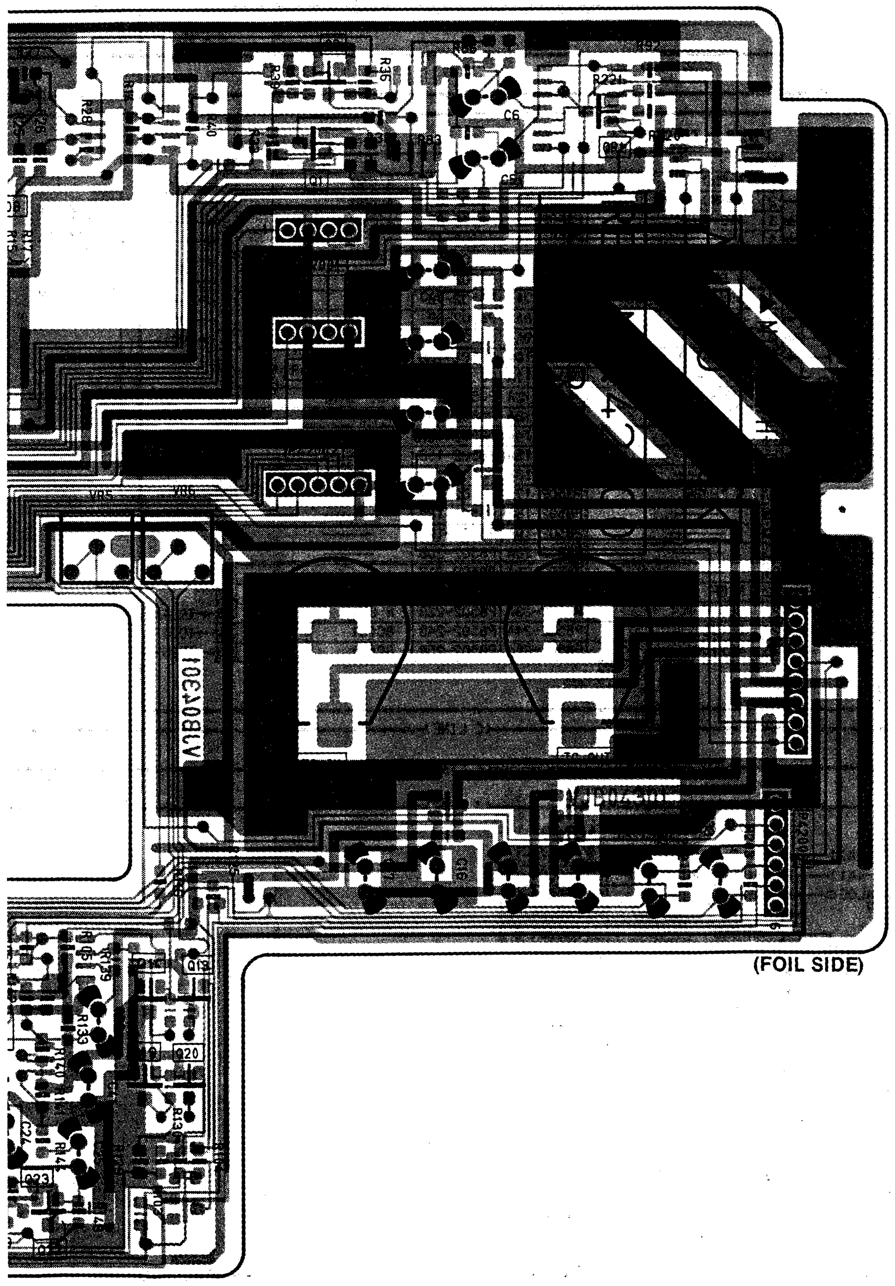
FRONT JACK C.B.A.	
Transistors	
Q43001	G-8
Q43002	G-8
Q43005	G-10
Q43006	G-12
Integrated Circuits	
IC43001	F-8
IC43002	G-9
IC43003	G-12
Adjustment	
VR43001	F-9
Connectors	
P43001	G-9
P43002	G-8
P43003	G-8

ADDRESS INFORMATION

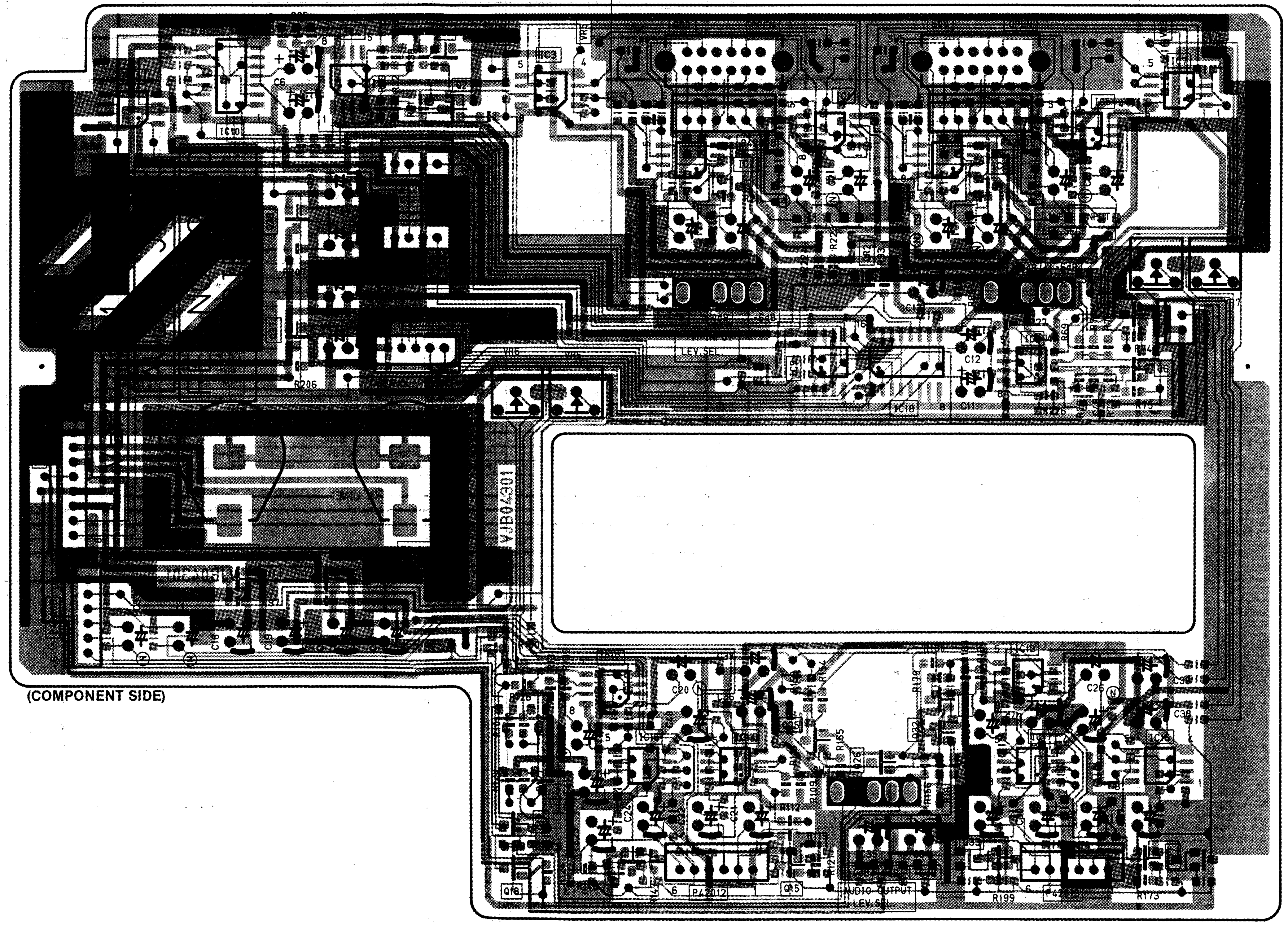
FRONT JACK C.B.A. (VEP04303A: AG-7750/VEP04303B: AG-7650)


FRONT JACK CIRCUIT
P43003
P43001
P43002
REF.NO.43000 SERIES
CH1 MIC
CH2 MIC
CHASSIS GND
HEADPHONE
VJB04303
VEP04303 [redacted]
C43042
C43040
C43041
CHASSIS GND
CHASSIS GND
CHASSIS GND

(FOIL SIDE)



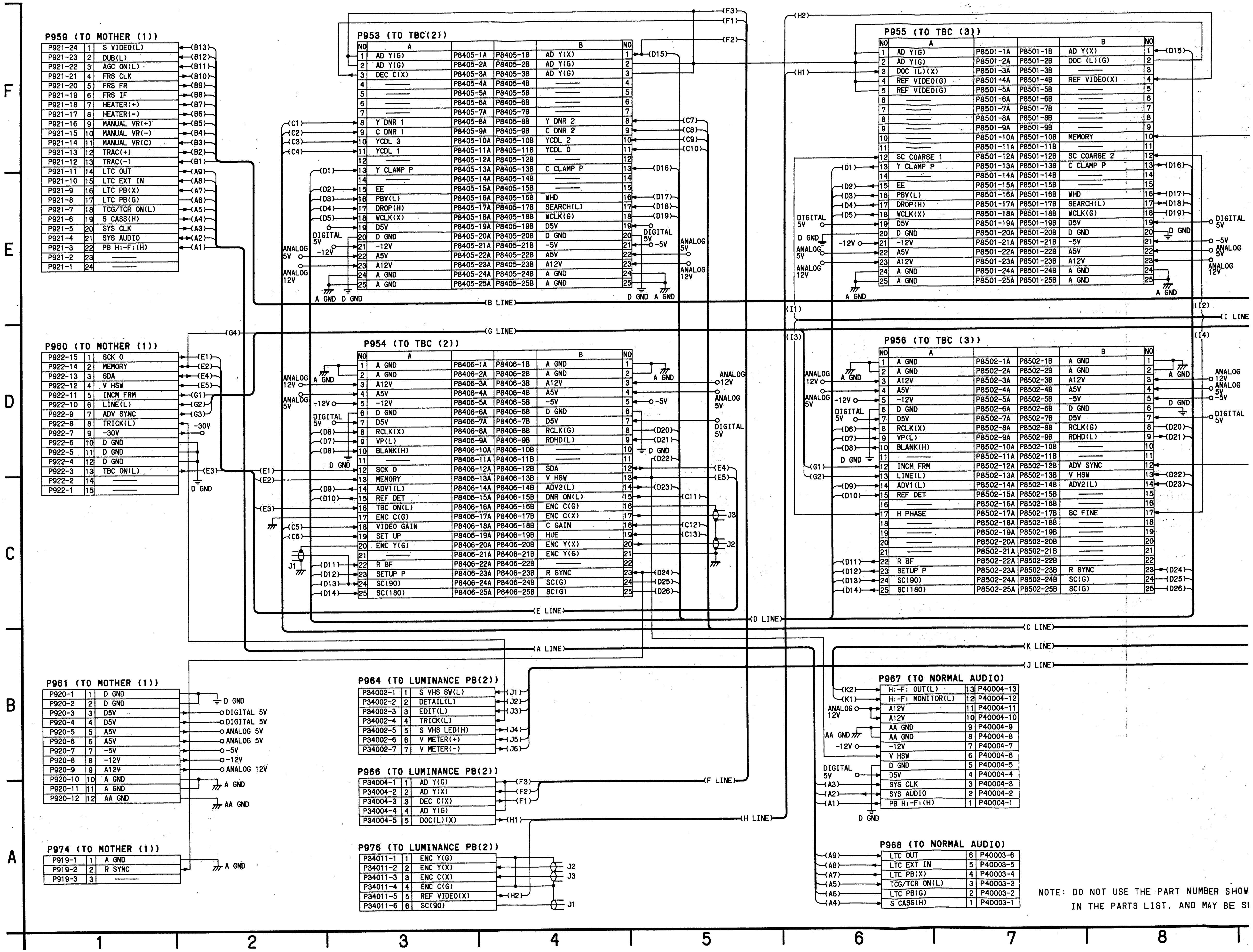
(FOIL SIDE)


VJB04301
LEV.SEL.
AUDIO OUTPUT LEV.SEL.
P42012
P42013

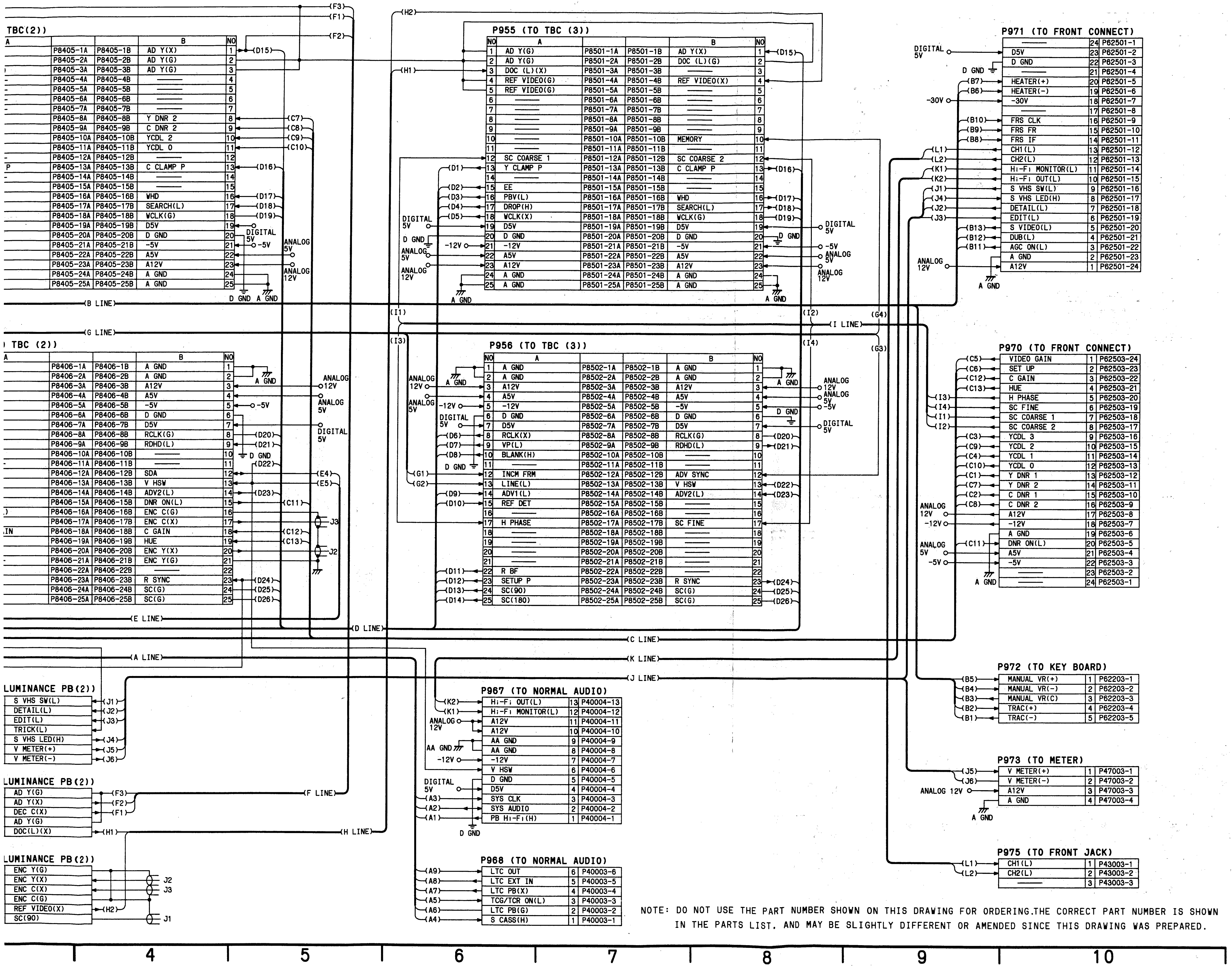
(COMPONENT SIDE)

4	5	6	7	8	9	10	11	12	13	14

MOTHER (2) SCHEMATIC DIAGRAM

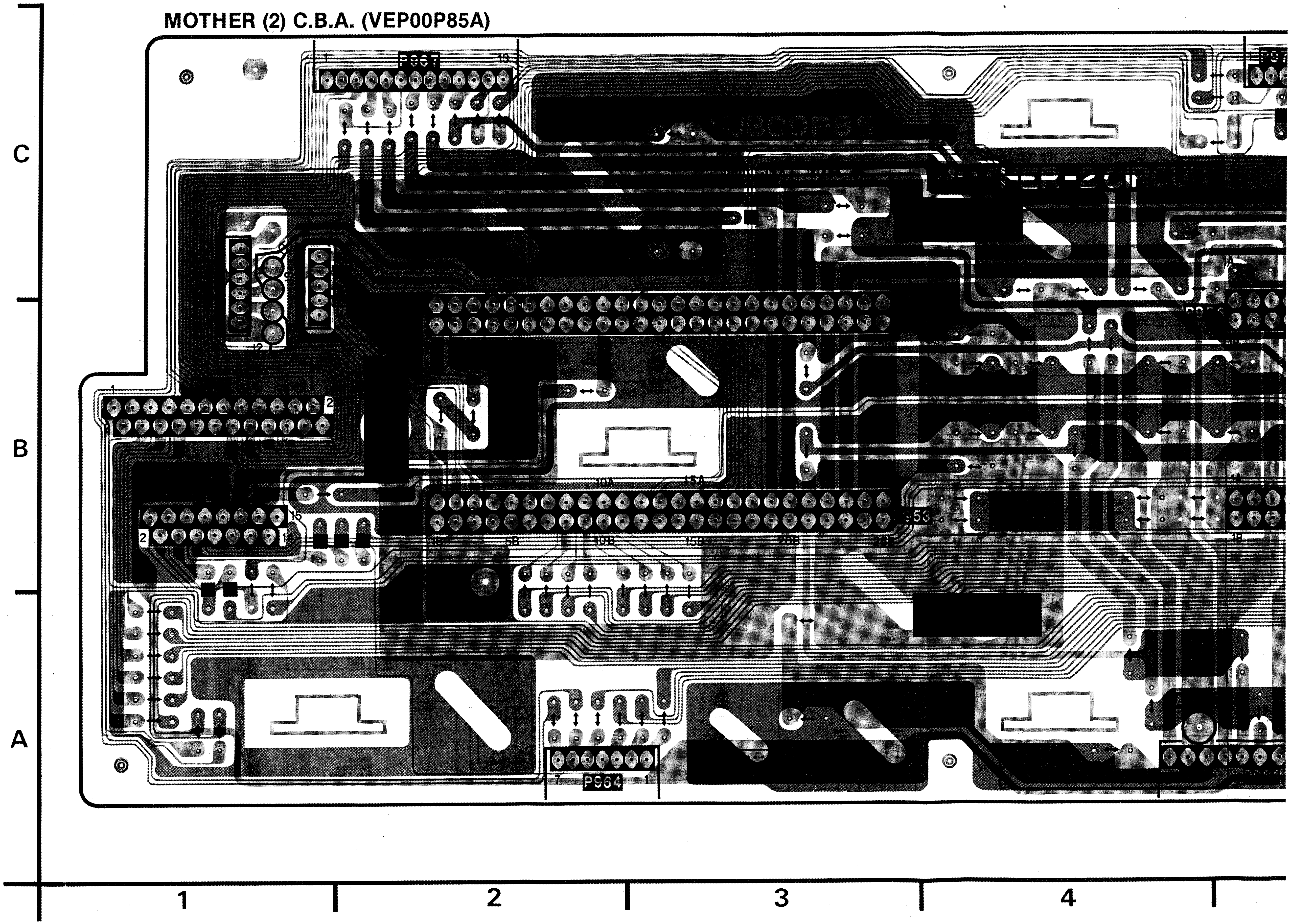

P959 (TO MOTHER (1))
P960 (TO MOTHER (1))
P961 (TO MOTHER (1))
P974 (TO MOTHER (1))
P953 (TO TBC(2))
P954 (TO TBC (2))
P955 (TO TBC (3))
P956 (TO TBC (3))
P964 (TO LUMINANCE PB(2))
P966 (TO LUMINANCE PB(2))
P976 (TO LUMINANCE PB(2))
P967 (TO NORMAL AUDIO)
P968 (TO NORMAL AUDIO)
A LINE
B LINE
C LINE
D LINE
E LINE
F LINE
G LINE
H LINE
I LINE
J LINE
K LINE
DIGITAL 5V
ANALOG 5V
ANALOG 12V
-12V
-5V
-30V
A GND
D GND
AA GND
J1
J2
J3
F
E
D
C
B
A
1
2
3
4
5
6
7
8

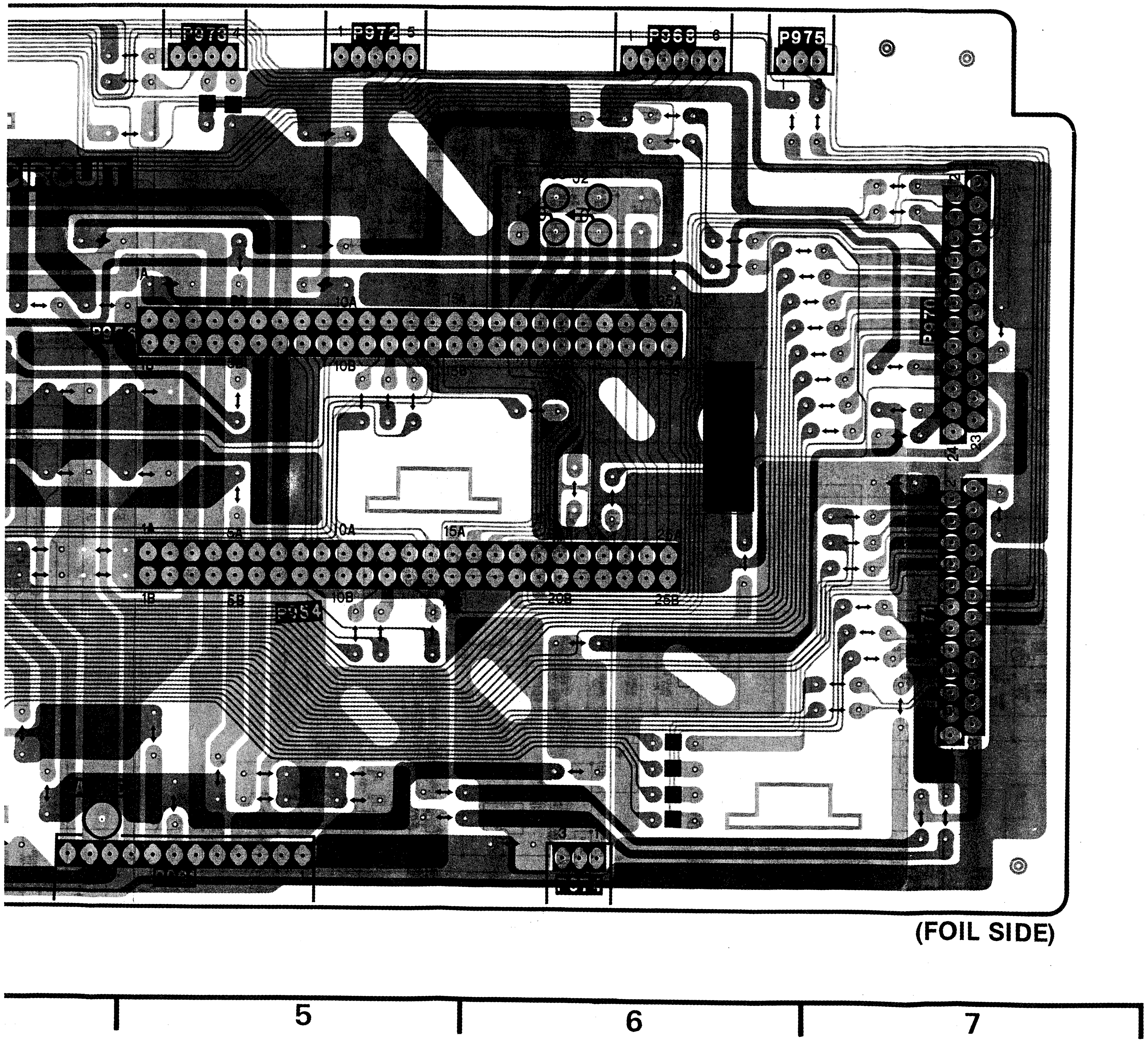
NOTE: DO NOT USE THE PART NUMBER SHOW
IN THE PARTS LIST. AND MAY BE SI


TBC(2))
P8405-1A P8405-1B AD Y(X)
P8405-2A P8405-2B AD Y(G)
P8405-3A P8405-3B AD Y(G)
P8405-8A P8405-8B Y DNR 2
P8405-9A P8405-9B C DNR 2
P8405-10A P8405-10B YCDL 2
P8405-11A P8405-11B YCDL 0
P8405-13A P8405-13B C CLAMP P
P8405-16A P8405-16B WHD
P8405-17A P8405-17B SEARCH(L)
P8405-18A P8405-18B WCLK(G)
P8405-19A P8405-19B D5V
P8405-20A P8405-20B D GND
P8405-21A P8405-21B -5V
P8405-22A P8405-22B A5V
P8405-23A P8405-23B A12V
P8405-24A P8405-24B A GND
P8405-25A P8405-25B A GND
D GND A GND
B LINE
G LINE
TBC (2))
P8406-1A P8406-1B A GND
P8406-2A P8406-2B A GND
P8406-3A P8406-3B A12V
P8406-4A P8406-4B A5V
P8406-5A P8406-5B -5V
P8406-6A P8406-6B D GND
P8406-7A P8406-7B D5V
P8406-8A P8406-8B RCLK(G)
P8406-9A P8406-9B RDHD(L)
P8406-12A P8406-12B SDA
P8406-13A P8406-13B V HSW
P8406-14A P8406-14B ADV2(L)
P8406-15A P8406-15B DNR ON(L)
P8406-16A P8406-16B ENC C(G)
P8406-17A P8406-17B ENC C(X)
P8406-18A P8406-18B C GAIN
P8406-19A P8406-19B HUE
P8406-20A P8406-20B ENC Y(X)
P8406-21A P8406-21B ENC Y(G)
P8406-23A P8406-23B R SYNC
P8406-24A P8406-24B SC(G)
P8406-25A P8406-25B SC(G)
E LINE
D LINE
A LINE
C LINE
K LINE
J LINE
LUMINANCE PB(2))
S VHS SW(L)
DETAIL(L)
EDIT(L)
TRICK(L)
S VHS LED(H)
V METER(+)
V METER(-)
LUMINANCE PB(2))
AD Y(G)
AD Y(X)
DEC C(X)
AD Y(G)
DOC(L)(X)
F LINE
H LINE
LUMINANCE PB(2))
ENC Y(G)
ENC Y(X)
ENC C(X)
ENC C(G)
REF VIDEO(X)
SC(90)
J1 J2 J3
P955 (TO TBC (3))
1 AD Y(G) P8501-1A P8501-1B AD Y(X) 1
2 AD Y(G) P8501-2A P8501-2B DOC (L)(G) 2
3 DOC (L)(X) P8501-3A P8501-3B 3
4 REF VIDEO(G) P8501-4A P8501-4B REF VIDEO(X) 4
5 REF VIDEO(G) P8501-5A P8501-5B 5
10 P8501-10A P8501-10B MEMORY 10
12 SC COARSE 1 P8501-12A P8501-12B SC COARSE 2 12
13 Y CLAMP P P8501-13A P8501-13B C CLAMP P 13
15 EE P8501-15A P8501-15B 15
16 PBV(L) P8501-16A P8501-16B WHD 16
17 DROP(H) P8501-17A P8501-17B SEARCH(L) 17
18 WCLK(X) P8501-18A P8501-18B WCLK(G) 18
19 D5V P8501-19A P8501-19B D5V 19
20 D GND P8501-20A P8501-20B D GND 20
21 -12V P8501-21A P8501-21B -5V 21
22 A5V P8501-22A P8501-22B A5V 22
23 A12V P8501-23A P8501-23B A12V 23
24 A GND P8501-24A P8501-24B A GND 24
25 A GND P8501-25A P8501-25B A GND 25
P956 (TO TBC (3))
1 A GND P8502-1A P8502-1B A GND 1
2 A GND P8502-2A P8502-2B A GND 2
3 A12V P8502-3A P8502-3B A12V 3
4 A5V P8502-4A P8502-4B A5V 4
5 -12V P8502-5A P8502-5B -5V 5
6 D GND P8502-6A P8502-6B D GND 6
7 D5V P8502-7A P8502-7B D5V 7
8 RCLK(X) P8502-8A P8502-8B RCLK(G) 8
9 VP(L) P8502-9A P8502-9B RDHD(L) 9
10 BLANK(H) P8502-10A P8502-10B 10
12 INCM FRM P8502-12A P8502-12B ADV SYNC 12
13 LINE(L) P8502-13A P8502-13B V HSW 13
14 ADV1(L) P8502-14A P8502-14B ADV2(L) 14
15 REF DET P8502-15A P8502-15B 15
17 H PHASE P8502-17A P8502-17B SC FINE 17
22 R BF P8502-22A P8502-22B 22
23 SETUP P P8502-23A P8502-23B R SYNC 23
24 SC(90) P8502-24A P8502-24B SC(G) 24
25 SC(180) P8502-25A P8502-25B SC(G) 25
I LINE
P967 (TO NORMAL AUDIO)
Hi-Fi OUT(L) 13 P40004-13
Hi-Fi MONITOR(L) 12 P40004-12
A12V 11 P40004-11
A12V 10 P40004-10
AA GND 9 P40004-9
AA GND 8 P40004-8
-12V 7 P40004-7
V HSW 6 P40004-6
D GND 5 P40004-5
D5V 4 P40004-4
SYS CLK 3 P40004-3
SYS AUDIO 2 P40004-2
PB Hi-Fi(H) 1 P40004-1
P968 (TO NORMAL AUDIO)
LTC OUT 6 P40003-6
LTC EXT IN 5 P40003-5
LTC PB(X) 4 P40003-4
TCG/TCR ON(L) 3 P40003-3
LTC PB(G) 2 P40003-2
S CASS(H) 1 P40003-1
P971 (TO FRONT CONNECT)
24 P62501-1
D5V 23 P62501-2
D GND 22 P62501-3
21 P62501-4
HEATER(+) 20 P62501-5
HEATER(-) 19 P62501-6
-30V 18 P62501-7
17 P62501-8
FRS CLK 16 P62501-9
FRS FR 15 P62501-10
FRS IF 14 P62501-11
CH1(L) 13 P62501-12
CH2(L) 12 P62501-13
Hi-Fi MONITOR(L) 11 P62501-14
Hi-Fi OUT(L) 10 P62501-15
S VHS SW(L) 9 P62501-16
S VHS LED(H) 8 P62501-17
DETAIL(L) 7 P62501-18
EDIT(L) 6 P62501-19
S VIDEO(L) 5 P62501-20
DUB(L) 4 P62501-21
AGC ON(L) 3 P62501-22
A GND 2 P62501-23
A12V 1 P62501-24
P970 (TO FRONT CONNECT)
VIDEO GAIN 1 P62503-24
SET UP 2 P62503-23
C GAIN 3 P62503-22
HUE 4 P62503-21
H PHASE 5 P62503-20
SC FINE 6 P62503-19
SC COARSE 1 7 P62503-18
SC COARSE 2 8 P62503-17
YCDL 3 9 P62503-16
YCDL 2 10 P62503-15
YCDL 1 11 P62503-14
YCDL 0 12 P62503-13
Y DNR 1 13 P62503-12
Y DNR 2 14 P62503-11
C DNR 1 15 P62503-10
C DNR 2 16 P62503-9
A12V 17 P62503-8
-12V 18 P62503-7
A GND 19 P62503-6
DNR ON(L) 20 P62503-5
A5V 21 P62503-4
-5V 22 P62503-3
23 P62503-2
24 P62503-1
P972 (TO KEY BOARD)
MANUAL VR(+) 1 P62203-1
MANUAL VR(-) 2 P62203-2
MANUAL VR(C) 3 P62203-3
TRAC(+) 4 P62203-4
TRAC(-) 5 P62203-5
P973 (TO METER)
V METER(+) 1 P47003-1
V METER(-) 2 P47003-2
A12V 3 P47003-3
A GND 4 P47003-4
P975 (TO FRONT JACK)
CH1(L) 1 P43003-1
CH2(L) 2 P43003-2
3 P43003-3
DIGITAL 5V
ANALOG 12V
ANALOG 5V
-30V
-12V
-5V
D GND
A GND
AA GND
4 5 6 7 8 9 10

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST. AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

MOTHER (2) C.B.A. (VEP00P85A)

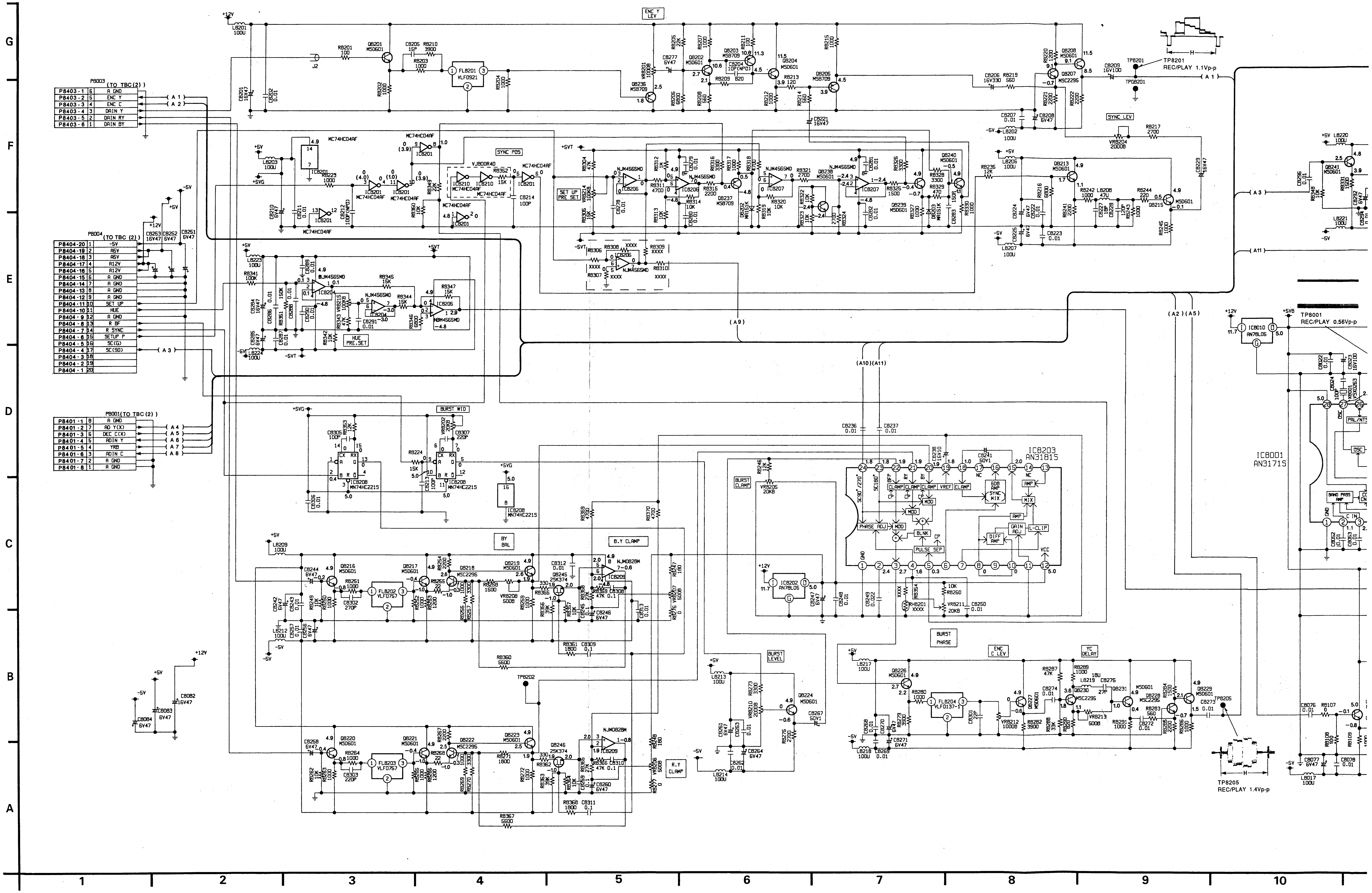

MOTHER (2) C.B.A. (VEP00P85A)
P967
1
19
C
B
A
1
2
12
15
2
14
10A
15A
1B
5B
10B
15B
20B
25B
P953
P964
7
1
1
2
3
4


P973
P972
P968
P975
J2
1A
10A
15A
25A
10B
1B
5B
P954
20B
25B
P970
P971
24
23
(FOIL SIDE)
5
6
7

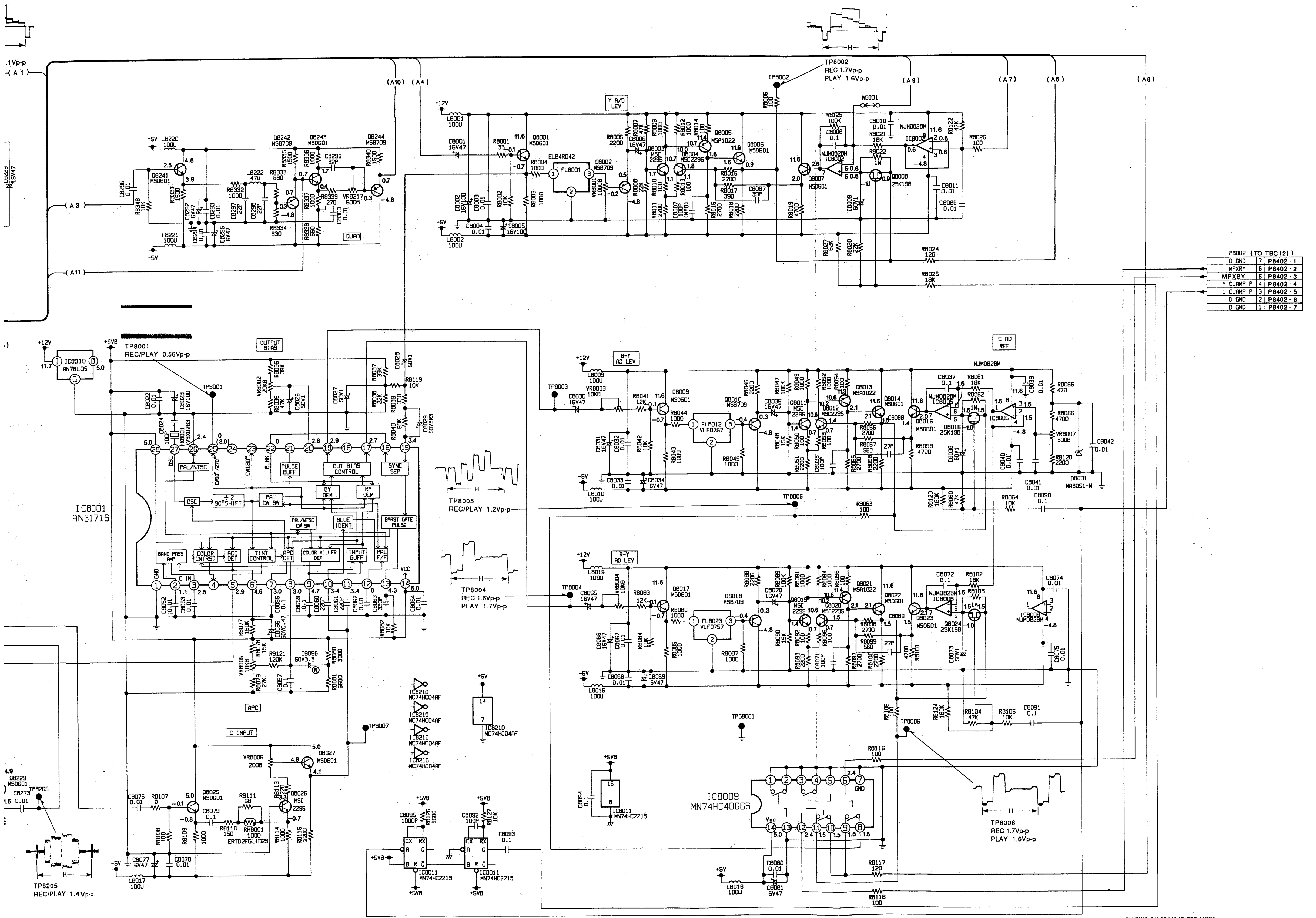
MOTHER (2) C.B.A.	
Connectors	
P953	B-3
P954	B-5
P955	B-3
P956	B-4
P960	B-1
P961	A-5
P964	A-2
P966	B-1
P967	C-2
P968	C-6
P969	B-1
P970	B-7
P971	B-7
P972	C-5
P973	C-5
P974	A-6
P975	C-6
P976	B-1

ADDRESS INFORMATION

TBC (1) SCHEMATIC DIAGRAM



G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
P8003 (TO TBC(2))
P8403-1 6 A GND
P8403-2 5 ENC Y
P8403-3 4 ENC C
P8403-4 3 DAIN Y
P8403-5 2 DAIN RY
P8403-6 1 DAIN BY
P8004 (TO TBC(2))
P8404-20 1 -5V
P8404-19 2 A5V
P8404-18 3 A5V
P8404-17 4 A12V
P8404-16 5 A12V
P8404-15 6 A GND
P8404-14 7 A GND
P8404-13 8 A GND
P8404-12 9 A GND
P8404-11 10 SET UP
P8404-10 11 HUE
P8404-9 12 A GND
P8404-8 13 R BF
P8404-7 14 R SYNC
P8404-6 15 SETUP P
P8404-5 16 SC(G)
P8404-4 17 SC(90)
P8404-3 18
P8404-2 19
P8404-1 20
P8001 (TO TBC(2))
P8401-1 8 A GND
P8401-2 7 AD Y(X)
P8401-3 6 DEC C(X)
P8401-4 5 ADIN Y
P8401-5 4 YRB
P8401-6 3 ADIN C
P8401-7 2 A GND
P8401-8 1 A GND
ENC Y LEV
SYNC POS
SET UP PRE SET
HUE PRE.SET
SYNC LEV
BURST WID
BY BAL
B.Y CLAMP
R.Y CLAMP
BURST CLAMP
BURST LEVEL
BURST PHASE
ENC C LEV
YC DELAY
TP8201 REC/PLAY 1.1Vp-p
TP8205 REC/PLAY 1.4Vp-p
TP8001 REC/PLAY 0.56Vp-p
TP8202
IC8201 MC74HC04AF
IC8210 VJ800R40
IC8206 NJM4565MD
IC8207 NJM4565MD
IC8204 NJM4565MD
IC8205 NJM4565MD
IC8208 MN74HC221S
IC8209 NJM082BM
IC8202 AN78L05
IC8203 AN3181S
IC8001 AN3171S
IC8010 AN78L05
FL8201 VLF0921
FL8202 VLF0757
FL8203 VLF0757
FL8204 VLF0137-1
PHASE ADJ
MOD
CLAMP
VREF
SDB AMP SYNC MIX
AMP
MIX
BLNK
PULSE SEP
DIFF AMP
GAIN ADJ
L-CLIP
GND
VCC
BAND PASS AMP
OSC
PAL/NTSC
(A1)
(A2)
(A3)
(A4)
(A5)
(A6)
(A7)
(A8)
(A9)
(A10)
(A11)
+12V
+5V
-5V
+5VG
+5VT
-5VT
+5VB


IC8001
AN3171S
IC8002
NJM082BM
IC8005
IC8008
NJM082BM
IC8009
MN74HC4066S
IC8010
AN78L05
IC8011
MN74HC2215
IC8210
MC74HC04AF
TP8001
REC/PLAY 0.56Vp-p
TP8002
REC 1.7Vp-p
PLAY 1.6Vp-p
TP8003
TP8004
REC 1.6Vp-p
PLAY 1.7Vp-p
TP8005
REC/PLAY 1.2Vp-p
TP8006
REC 1.7Vp-p
PLAY 1.6Vp-p
TP8007
TP8205
REC/PLAY 1.4Vp-p
TPG8001
Y A/D LEV
B-Y AD LEV
R-Y AD LEV
C AD REF
OUTPUT BIAS
APC
C INPUT
QUAD
PAL/NTSC
PULSE BUFF
OUT BIAS CONTROL
SYNC SEP
BY DEM
RY DEM
DSC
÷2 90° SHIFT
PAL CW SW
PAL/NTSC PAL CW SW
BLUE IDENT
BURST GATE PULSE
BAND PASS AMP
COLOR CNTRST
ACC DET
TINT CONTROL
APC DET
COLOR KILLER DEF
INPUT BUFF
PAL F/F
FL8001
ELB4R042
FL8012
YLFD757
FL8023
YLFD757
P8002 (TO TBC(2))
D GND 7 P8402-1
MPXRY 6 P8402-2
MPXBY 5 P8402-3
Y CLAMP P 4 P8402-4
C CLAMP P 3 P8402-5
D GND 2 P8402-6
D GND 1 P8402-7
(A1)
(A3)
(A4)
(A6)
(A7)
(A8)
(A9)
(A10)
(A11)
+12V
+5V
-5V
+5VB
10
11
12
13
14
15
16
17

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★ パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS REC MODE. THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE. MEASUREMENT SIGNAL…NTSC COLOR SIGNAL, MEASUREMENT TAPE…S-VHS CASSETTE TAPE.

注意：DC電圧の測定値は、録画は（ ）付
停止は（ ）なし
録画停止共通は（ ）なしで示してあります。

TBC (1) C.B.A., TBC SUB (1) C.B.A. and TBC SUB (2) C.B.A.

Transistors	
Q8001	B-3 Ⓕ
Q8002	B-3 Ⓕ
Q8003	B-3 Ⓕ
Q8004	B-12 ©
Q8005	B-3 Ⓕ
Q8006	B-3 Ⓕ
Q8007	B-11 ©
Q8008	B-12 ©
Q8009	B-2 Ⓕ
Q8010	B-2 Ⓕ
Q8011	B-1 Ⓕ
Q8012	B-13 ©
Q8013	B-1 Ⓕ
Q8014	B-13 ©
Q8015	B-1 Ⓕ
Q8016	B-13 ©
Q8017	B-1 Ⓕ
Q8018	B-1 Ⓕ
Q8019	B-1 Ⓕ
Q8020	B-14 ©
Q8021	B-1 Ⓕ
Q8022	B-13 ©
Q8023	B-1 Ⓕ
Q8024	B-13 ©
Q8025	B-3 Ⓕ
Q8026	B-3 Ⓕ
Q8027	B-3 Ⓕ
Q8201	B-5 Ⓕ
Q8202	C-10 ©
Q8203	B-4 Ⓕ
Q8204	B-10 ©
Q8205	B-4 Ⓕ
Q8207	B-4 Ⓕ
Q8208	B-10 ©
Q8213	A-5 Ⓕ
Q8215	A-10 ©
Q8216	A-7 Ⓕ
Q8217	B-7 Ⓕ
Q8218	B-7 Ⓕ
Q8219	B-7 Ⓕ
Q8220	A-6 Ⓕ
Q8221	B-7 Ⓕ
Q8222	B-8 ©
Q8223	B-8 ©
Q8224	B-9 ©
Q8226	B-5 Ⓕ
Q8227	B-5 Ⓕ
Q8228	B-9 ©
Q8229	B-9 ©
Q8230	B-5 Ⓕ
Q8231	C-9 ©
Q8236	B-4 Ⓕ
Q8237	A-4 Ⓕ
Q8238	B-4 Ⓕ
Q8239	B-4 Ⓕ
Q8240	B-4 Ⓕ
Q8241	B-9 ©
Q8242	B-6 Ⓕ
Q8243	B-6 Ⓕ
Q8244	B-9 ©
Q8245	B-7 ©
Q8246	B-8 ©

Integrated Circuits	
IC8001	C-2 Ⓕ
IC8002	B-3 Ⓕ
IC8005	B-2 Ⓕ
IC8008	B-1 Ⓕ
IC8009	A-1 Ⓕ
IC8010	B-2 Ⓕ
IC8010	B-12 ©
IC8011	D-4 Ⓕ
IC8201	A-9 ©
IC8202	B-6 Ⓕ
IC8202	B-8 ©
IC8203	B-8 ©
IC8204	B-11 ©
IC8205	B-11 ©
IC8206	B-11 ©
IC8207	B-11 ©
IC8208	A-6 Ⓕ
IC8209	B-7 Ⓕ
IC8210	D-9 ©

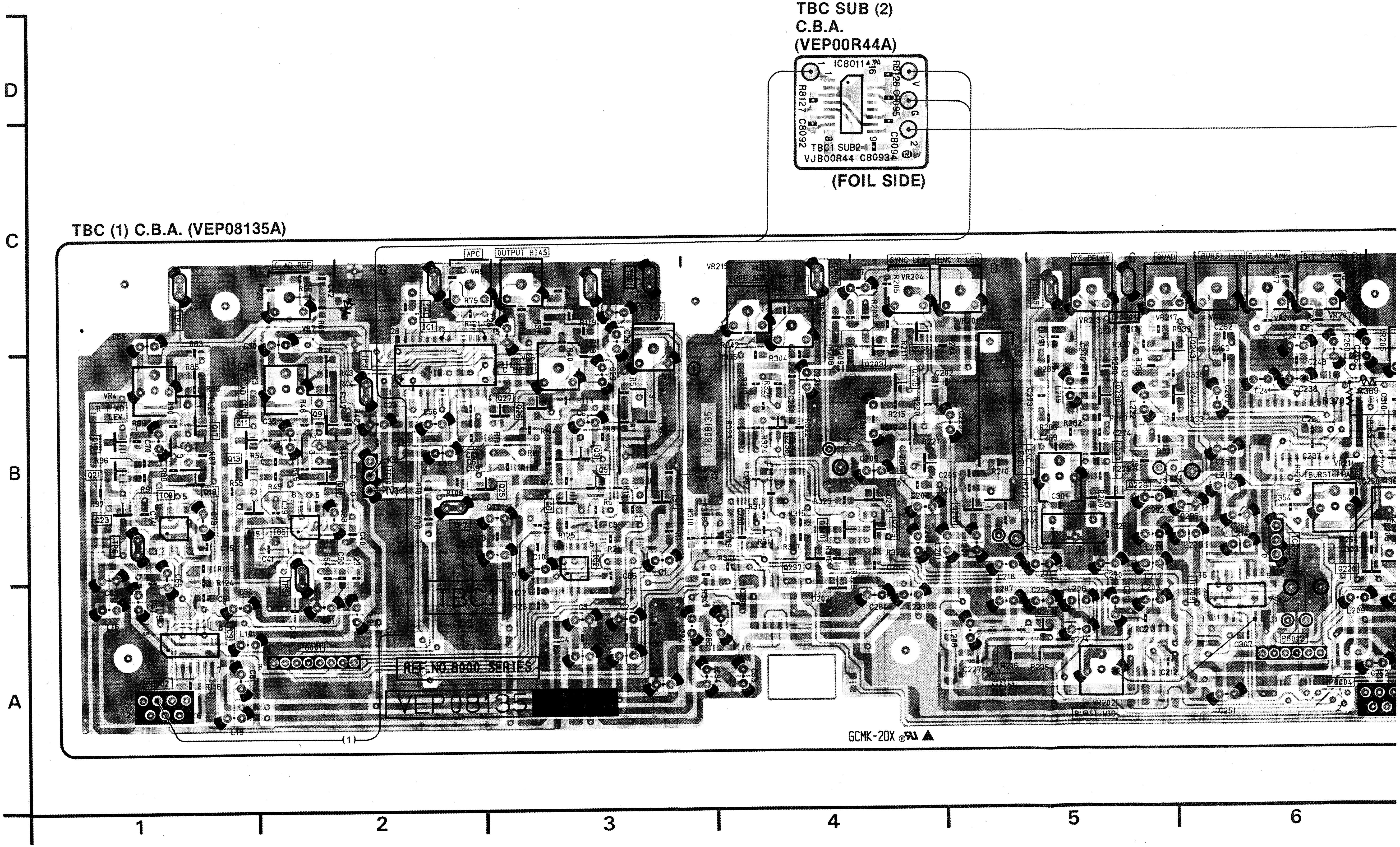
Test Points	
TP8001	C-2 Ⓕ
TP8001	C-12 ©
TP8002	C-3 Ⓕ
TP8002	C-12 ©
TP8003	B-2 Ⓕ
TP8003	B-12 ©
TP8004	C-1 Ⓕ
TP8004	C-13 ©
TP8005	A-2 Ⓕ
TP8005	A-13 ©
TP8006	B-1 Ⓕ
TP8006	B-13 ©
TP8007	B-2 Ⓕ
TP8007	B-12 ©
TP8201	C-4 Ⓕ
TP8201	C-10 ©
TP8202	B-4 Ⓕ
TP8202	B-8 ©
TP8205	C-5 Ⓕ
TP8205	C-9 ©
TPG8001	C-3 Ⓕ
TPG8001	C-11 ©
TPG8201	C-5 Ⓕ
TPG8201	C-9 ©

Adjustments	
VR8001	B-3 Ⓕ
VR8001	B-11 ©
VR8002	C-3 Ⓕ
VR8002	C-12 ©
VR8003	B-1 Ⓕ
VR8003	B-13 ©
VR8004	B-1 Ⓕ
VR8004	B-13 ©
VR8005	C-2 Ⓕ
VR8005	C-12 ©
VR8006	B-3 Ⓕ
VR8006	B-12 ©
VR8007	C-2 Ⓕ
VR8007	C-13 ©
VR8201	C-5 Ⓕ
VR8201	C-10 ©
VR8202	A-5 Ⓕ
VR8202	A-9 ©
VR8204	C-4 Ⓕ
VR8204	C-10 ©
VR8205	B-6 Ⓕ
VR8205	B-8 ©
VR8206	C-6 Ⓕ
VR8206	C-8 ©
VR8207	C-6 Ⓕ
VR8207	C-8 ©
VR8208	B-7 Ⓕ
VR8208	B-8 ©
VR8210	C-6 Ⓕ
VR8210	C-9 ©
VR8211	B-6 Ⓕ
VR8211	B-8 ©
VR8212	B-5 Ⓕ
VR8212	B-9 ©
VR8213	C-5 Ⓕ
VR8213	C-9 ©
VR8214	C-4 Ⓕ
VR8214	B-11 ©
VR8215	C-4 Ⓕ
VR8215	C-11 ©
VR8217	C-5 Ⓕ
VR8217	C-9 ©

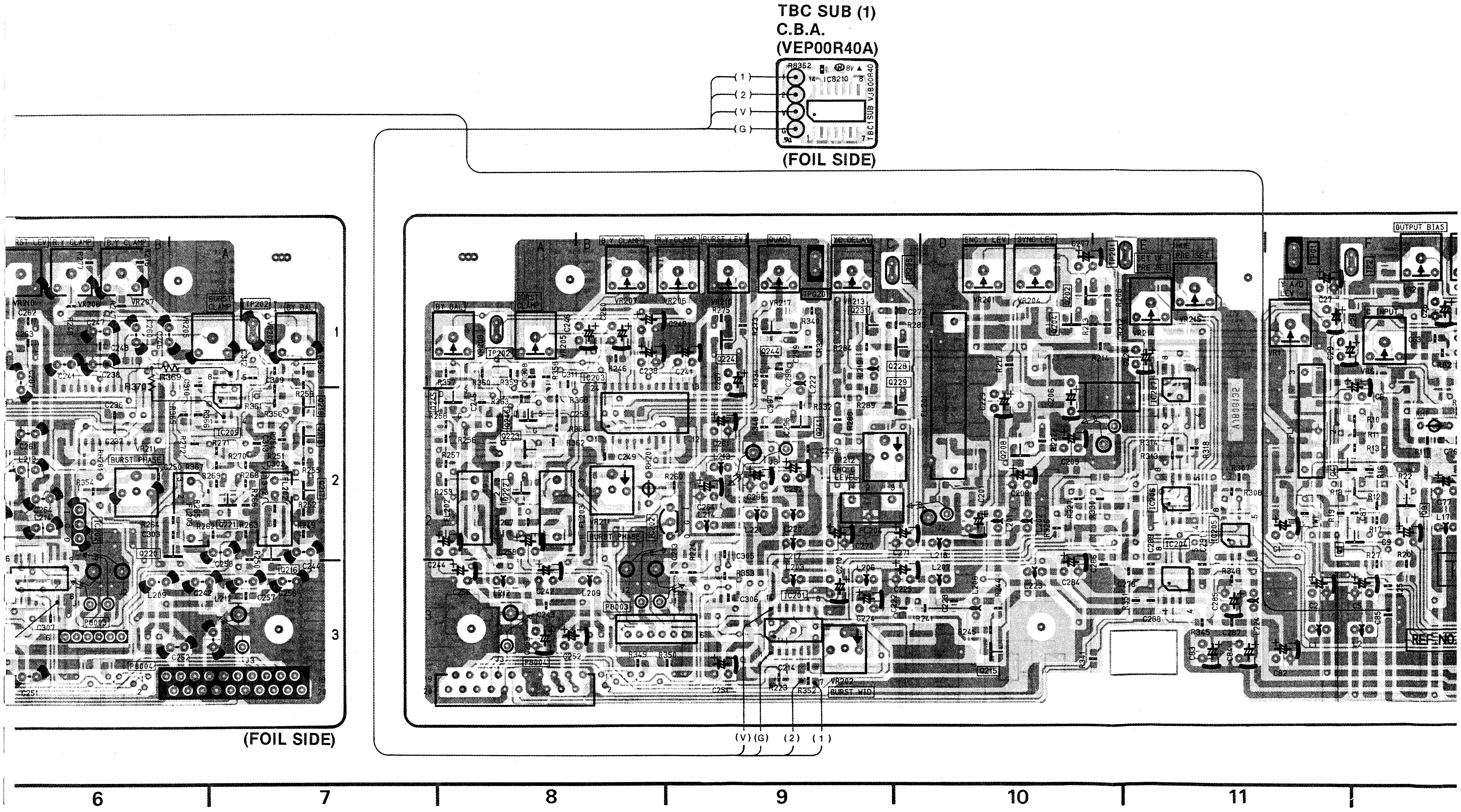
Connectors	
P8001	A-2 Ⓕ
P8001	A-13 ©
P8002	A-1 Ⓕ
P8002	A-13 ©
P8003	A-6 Ⓕ
P8003	A-8 ©
P8004	A-6 Ⓕ
P8004	A-8 ©

ADDRESS INFORMATION
©…COMPONENT SIDE
Ⓕ…FOIL SIDE

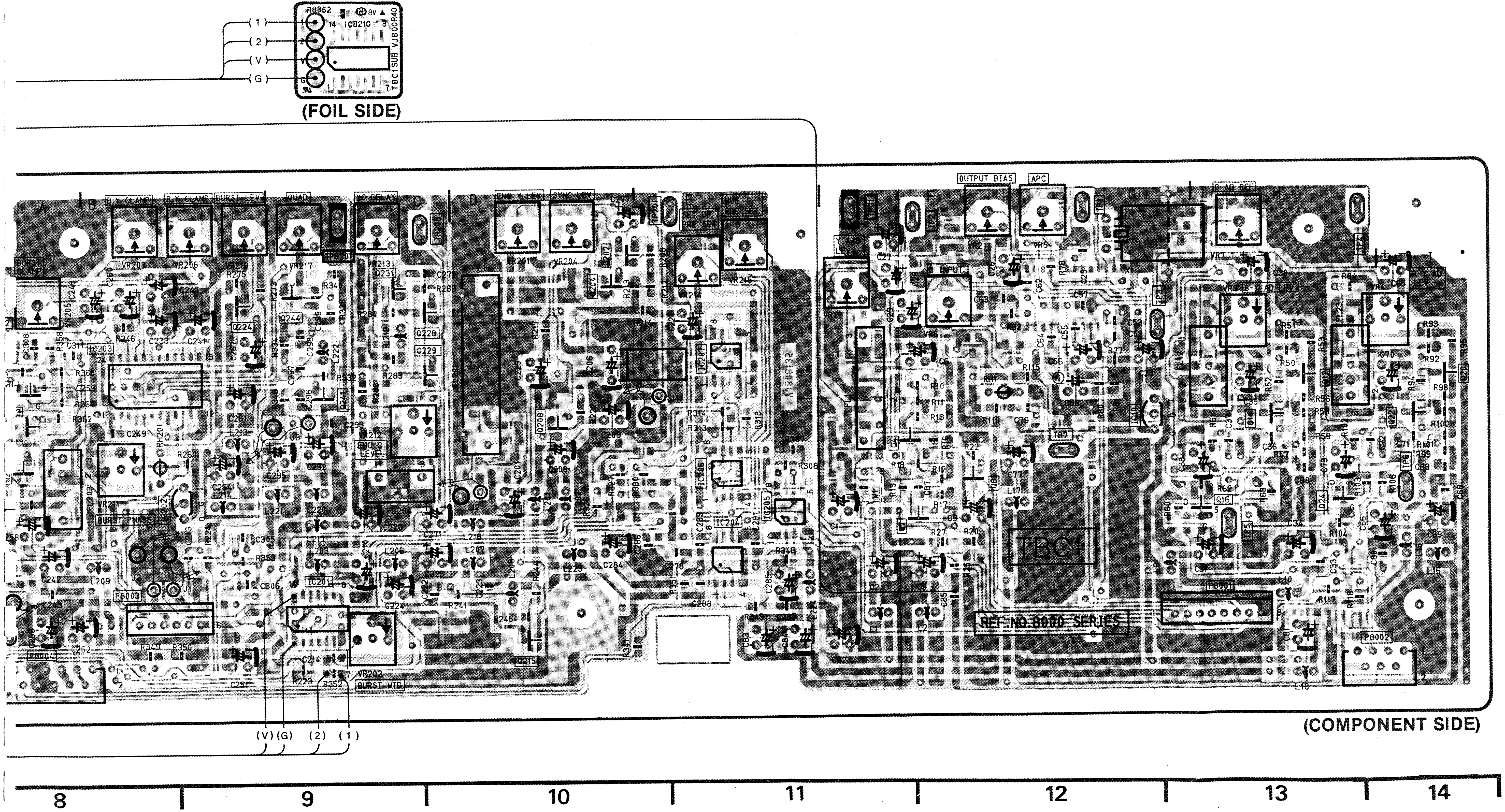
TBC (1) C.B.A. (VEP08135A), TBC SUB (1) C.B.A. (VEP00R40A) AND TBC SUB (2) C.B.A. (VEP00R44A)



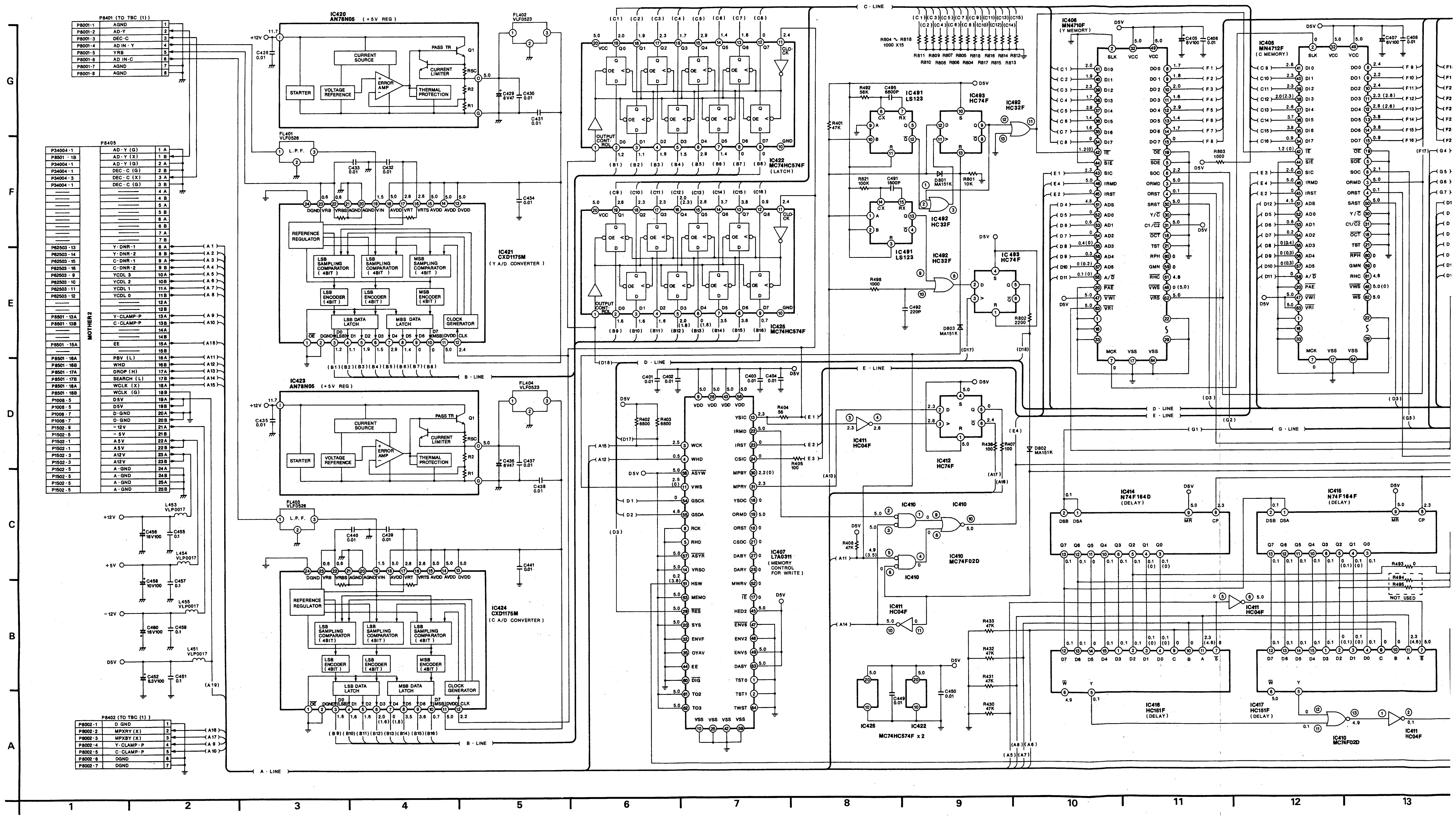
TBC SUB (2)
C.B.A.
(VEP00R44A)
IC8011
R8126
C8096
R8127
C8092
C8094
TBC1 SUB2
VJB00R44 C8093
(FOIL SIDE)
TBC (1) C.B.A. (VEP08135A)
C AD REF
APC
OUTPUT BIAS
SYNC LEV
ENC Y LEV
YC DELAY
QUAD
BURST LEV
R-Y CLAMP
B-Y CLAMP
R-Y AD LEV
C INPUT
BURST PHASE
BURST WID
TBC1
REF.NO.8000 SERIES
VEP08135
[redacted]
VJB08135
P8001
P8002
P8003
P8004
GCMK-20X
D
C
B
A
1
2
3
4
5
6

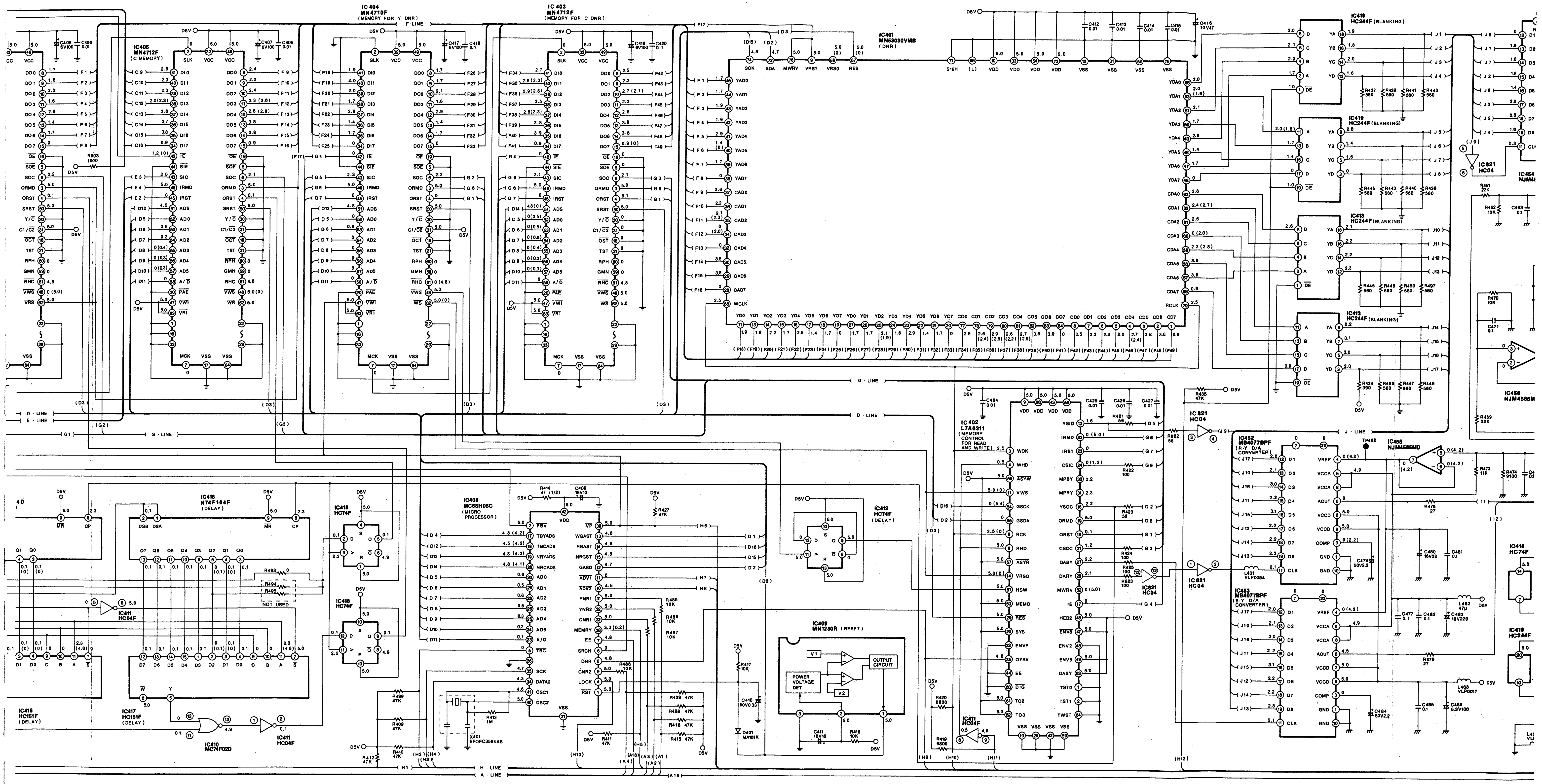

TBC SUB (1)
C.B.A.
(VEP00R40A)
(FOIL SIDE)
(1)
(2)
(V)
(G)
IC8210
TBC1SUB VJB00R40
(FOIL SIDE)
(V) (G) (2) (1)
BURST PHASE
BY BAL
BURST CLAMP
B-Y CLAMP
R-Y CLAMP
BURST LEV
QUAD
YC DELAY
ENC Y LEV
SYNC LEV
SET UP PRE SET
HUE PRE SET
ENC C LEVEL
BURST WID
Y A/D LEV
C INPUT
OUTPUT BIAS
REF. NO.
6
7
8
9
10
11

TBC SUB (1)
C.B.A.
(VEP00R40A)


(1)
(2)
(V)
(G)
R8352
IC8210
TBC SUB VJB00R40
(FOIL SIDE)
BURST CLAMP
B-Y CLAMP
R-Y CLAMP
BURST LEV
QUAD
YC DELAY
ENC Y LEV
SYNC LEV
SET UP PRE SET
HUE PRE SET
ENC C LEVEL
BURST PHASE
BURST WID
OUTPUT BIAS
APC
C INPUT
Y A/D LEV
B-Y A/D LEV
R-Y A/D LEV
C AD REF
IC203
IC201
IC204
IC205
IC206
IC207
FL201
FL203
FL204
P8001
P8002
P8003
P8004
TBC1
REF NO.8000 SERIES
A
B
C
D
E
F
G
H
I
(V) (G) (2) (1)
(COMPONENT SIDE)
8
9
10
11
12
13
14

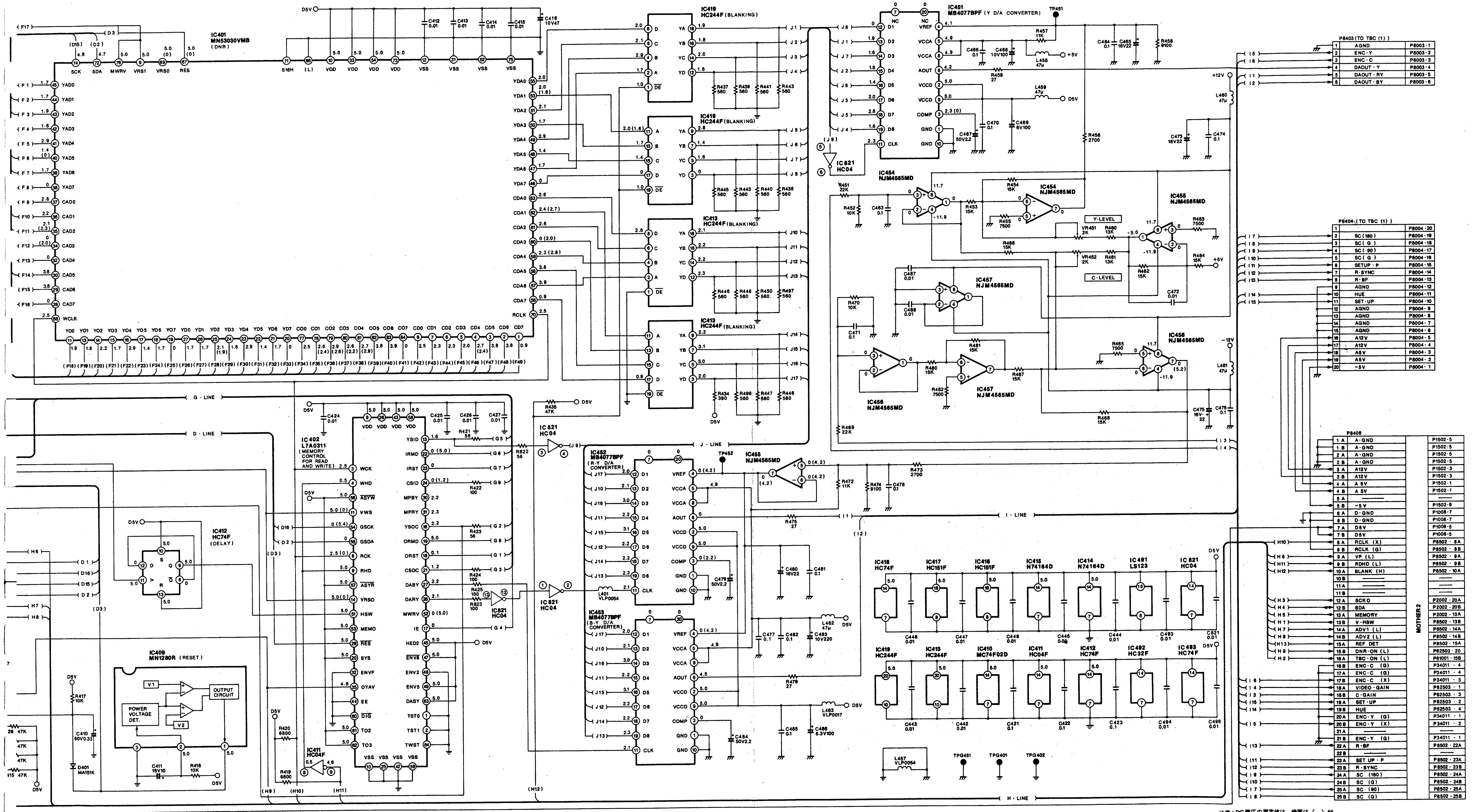
TBC (2) SCHEMATIC DIAGRAM


P8401 (TO TBC (1))
P8405
MOTHER 2
P8402 (TO TBC (1))
IC420 AN78N05 (+5V REG)
IC423 AN78N05 (+5V REG)
IC421 CXD1175M (Y A/D CONVERTER)
IC424 CXD1175M (C A/D CONVERTER)
IC422 MC74HC574F (LATCH)
IC425 MC74HC574F
IC407 L7A0311 (MEMORY CONTROL FOR WRITE)
IC491 LS123
IC493 HC74F
IC492 HC32F
IC411 HC04F
IC412 HC74F
IC410 MC74F02D
IC406 MN4710F (Y MEMORY)
IC405 MN4712F (C MEMORY)
IC414 N74F164D (DELAY)
IC415 N74F164F (DELAY)
IC416 HC151F (DELAY)
IC417 HC151F (DELAY)
FL401 VLF0526
FL402 VLF0523
FL403 VLF0526
FL404 VLF0523
L.P.F.
L453 VLP0017
L454 VLP0017
L455 VLP0017
L451 VLP0017
D801 MA151K
D802 MA151K
D803 MA151K
A - LINE
B - LINE
C - LINE
D - LINE
E - LINE
G - LINE
NOT USED
MC74HC574F x 2
+12V
+5V
-12V
D5V
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13


IC405
MN4712F
(C MEMORY)
IC 404
MN4710F
(MEMORY FOR Y DNR)
IC 403
MN4712F
(MEMORY FOR C DNR)
IC401
MN3030VMB
(DNR)
IC419
HC244F (BLANKING)
IC413
HC244F (BLANKING)
IC821
HC04
IC454
IC456
NJM4565M
IC402
L7A0311
(MEMORY CONTROL FOR READ AND WRITE)
IC452
MB4077BPF
(R-Y D/A CONVERTER)
IC453
MB4077BPF
(B-Y D/A CONVERTER)
IC455
NJM4565MD
TP452
IC408
MC68H05C
(MICRO PROCESSOR)
IC412
HC74F
(DELAY)
IC409
MN1280R (RESET)
POWER VOLTAGE DET.
OUTPUT CIRCUIT
IC415
N74F164F
(DELAY)
IC418
HC74F
IC416
HC151F
(DELAY)
IC417
HC151F
(DELAY)
IC410
MC74F02D
IC411
HC04F
X401
EFOFC3584AS
D401
MA151K
NOT USED
D5V
F-LINE
G-LINE
D-LINE
E-LINE
H-LINE
A-LINE
J-LINE
11
12
13
14
15
16
17
18
19
20
21
22
23
24

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★パーツの注文については、パーツリストを参照してください。


IC401 MN53030VMB (DNR)
IC419 HC244F (BLANKING)
IC413 HC244F (BLANKING)
IC451 MB4077BPF (Y D/A CONVERTER)
IC452 MB4077BPF (R-Y D/A CONVERTER)
IC453 MB4077BPF (B-Y D/A CONVERTER)
IC454 NJM4565MD
IC455 NJM4565MD
IC456 NJM4565MD
IC457 NJM4565MD
IC821 HC04
IC402 L7A0311 (MEMORY CONTROL FOR READ AND WRITE)
IC412 HC74F (DELAY)
IC409 MN1280R (RESET)
IC411 HC04F
IC418 HC74F
IC417 HC161F
IC416 HC161F
IC415 N74164D
IC414 N74164D
IC491 LS123
IC410 MC74F02D
IC492 HC32F
IC493 HC74F
P8403 (TO TBC (1))
P8404 (TO TBC (1))
P8406
MOTHER 2
Y-LEVEL
C-LEVEL
G-LINE
D-LINE
J-LINE
I-LINE
H-LINE
TP451
TP452
TPG451
TPG401
TPG402
POWER VOLTAGE DET.
OUTPUT CIRCUIT

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

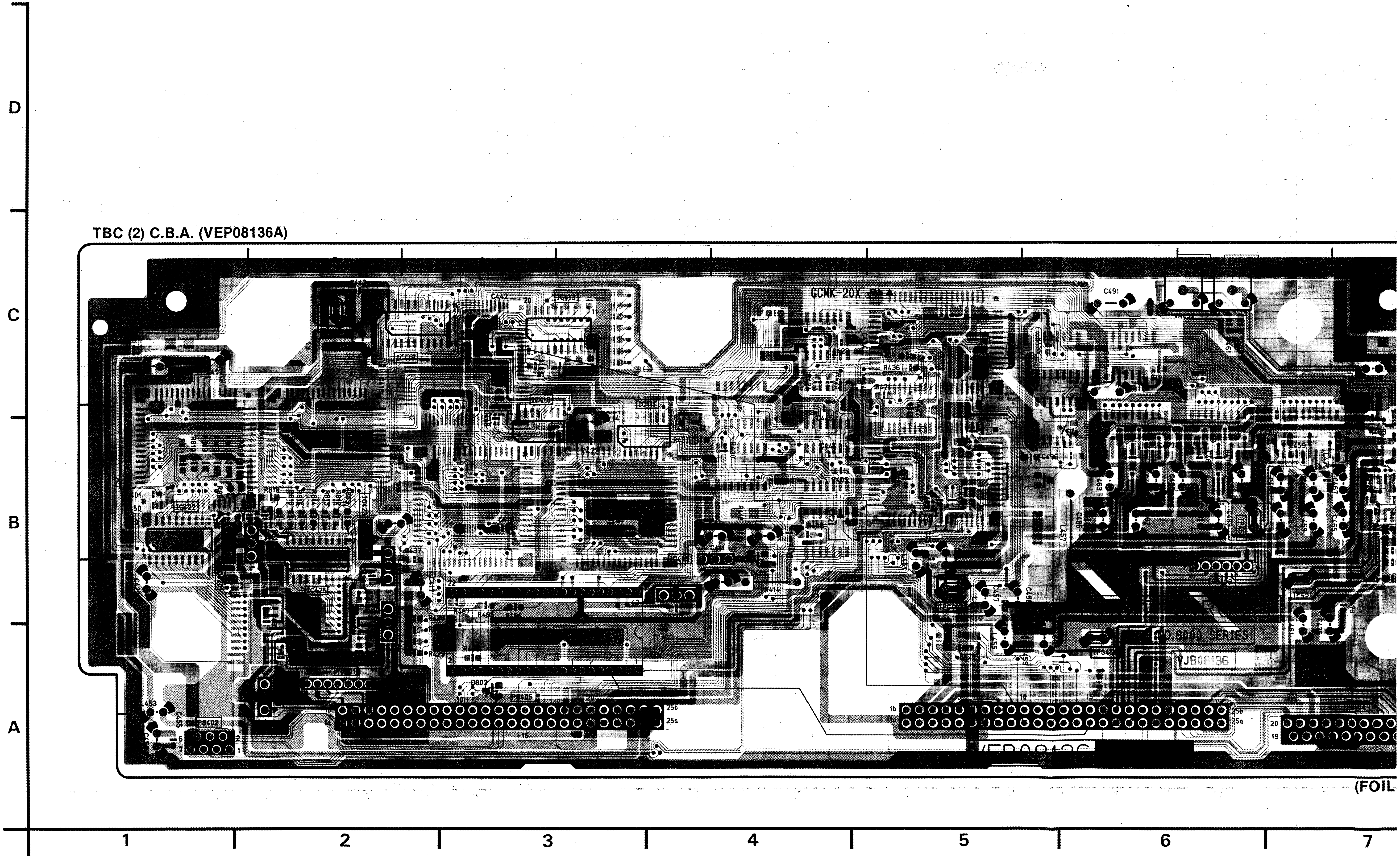
★パーツの注文については、パーツリストを参照してください。

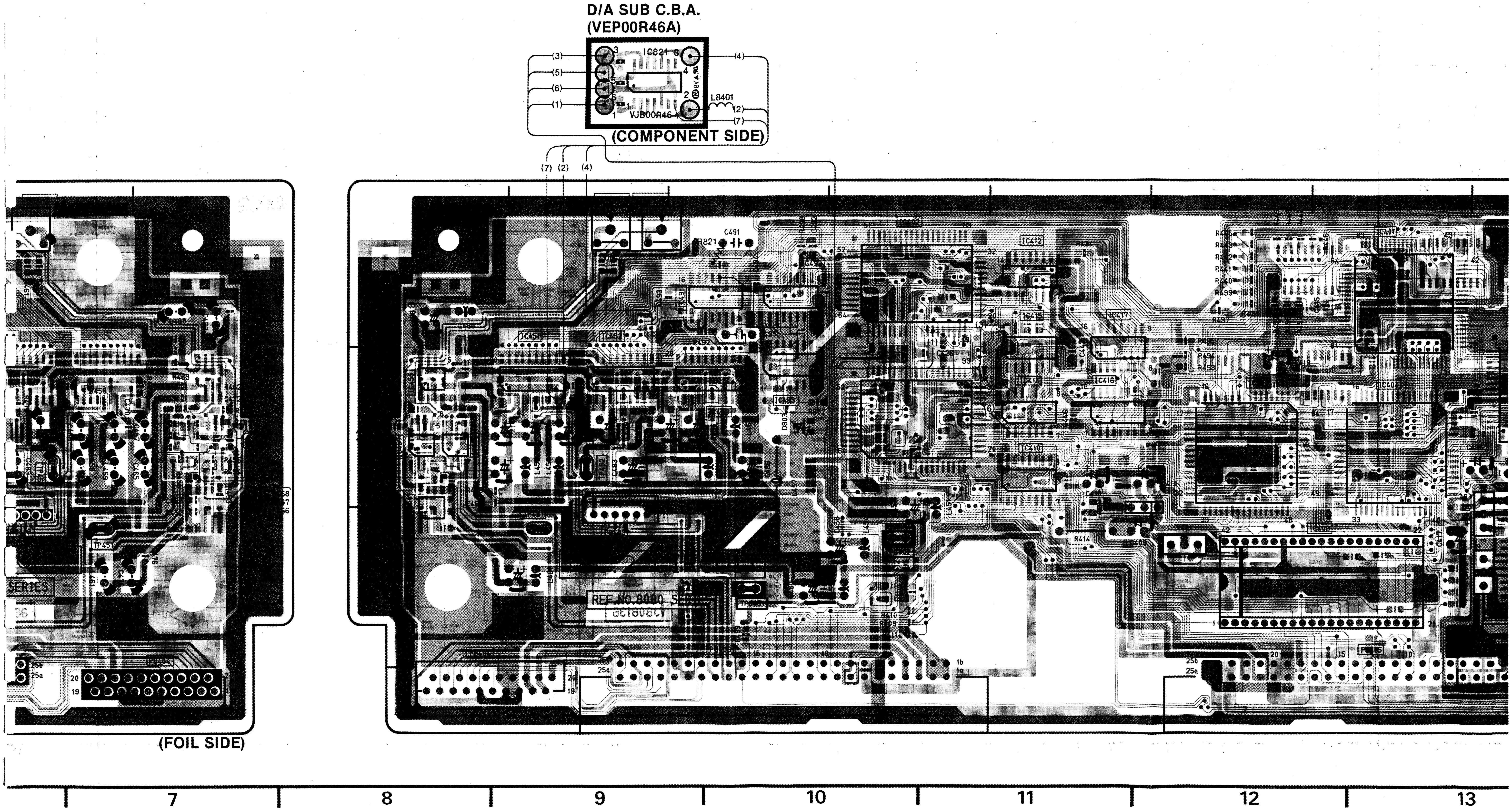
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL…NTSC COLOR SIGNAL, MEASUREMENT TAPE…S-VHS CASSETTE TAPE.

注意：DC電圧の測定値は、録画は（ ）付
再生は（ ）なし
録再共通は（ ）なしで示してあります。

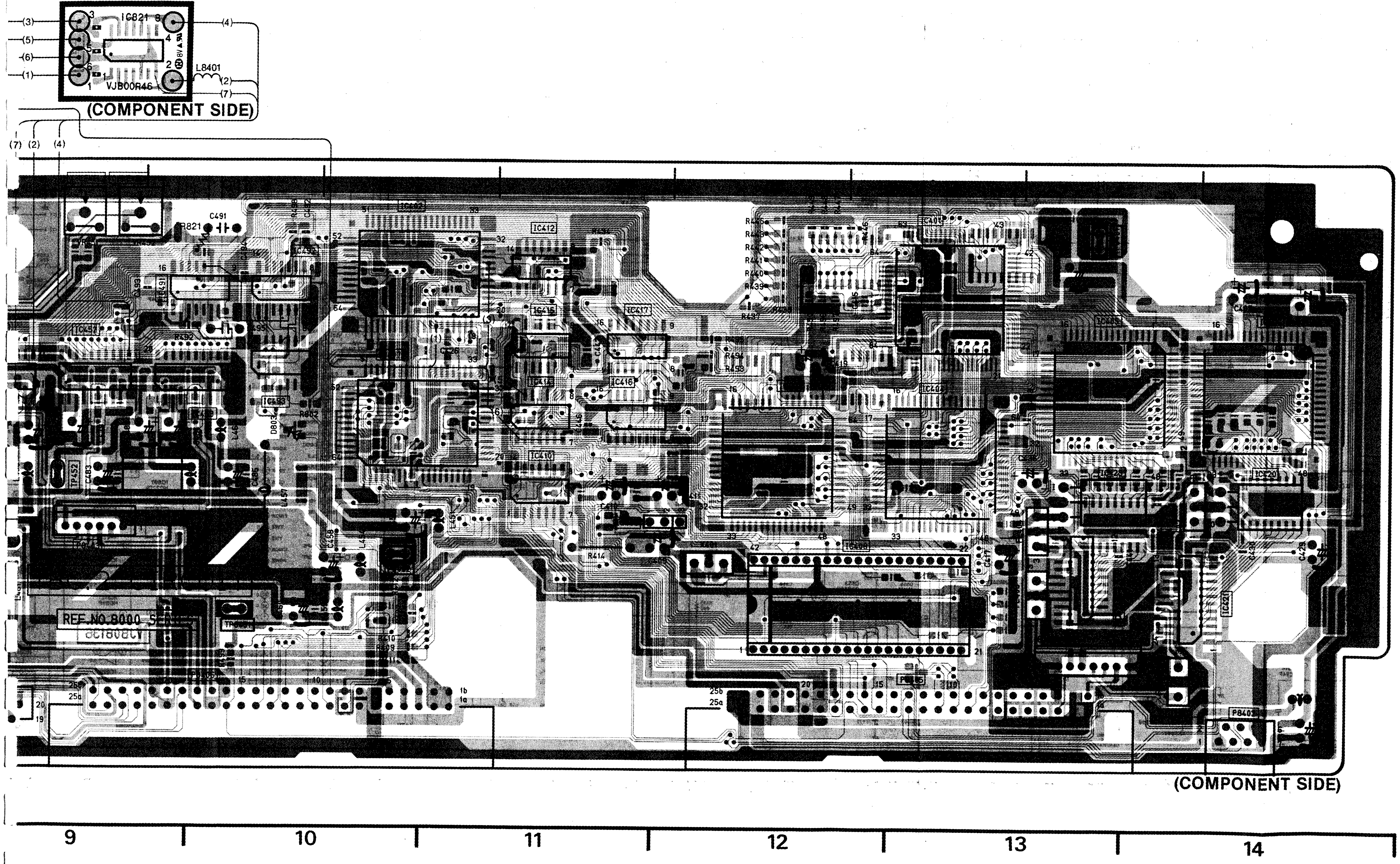
17 18 19 20 21 22 23 24 25 26 27 28 29

TBC (2) C.B.A. (VEP08136A) AND D/A SUB C.B.A. (VEP00R46A)


D
C
B
A
TBC (2) C.B.A. (VEP08136A)
GCMK-20X
NO.8000 SERIES
JB08136
(FOIL
1
2
3
4
5
6
7


D/A SUB C.B.A.
(VEP00R46A)
IC821
VJB00R46
L8401
(COMPONENT SIDE)
(FOIL SIDE)
REF.NO.8000 SERIES
SERIES
7
8
9
10
11
12
13

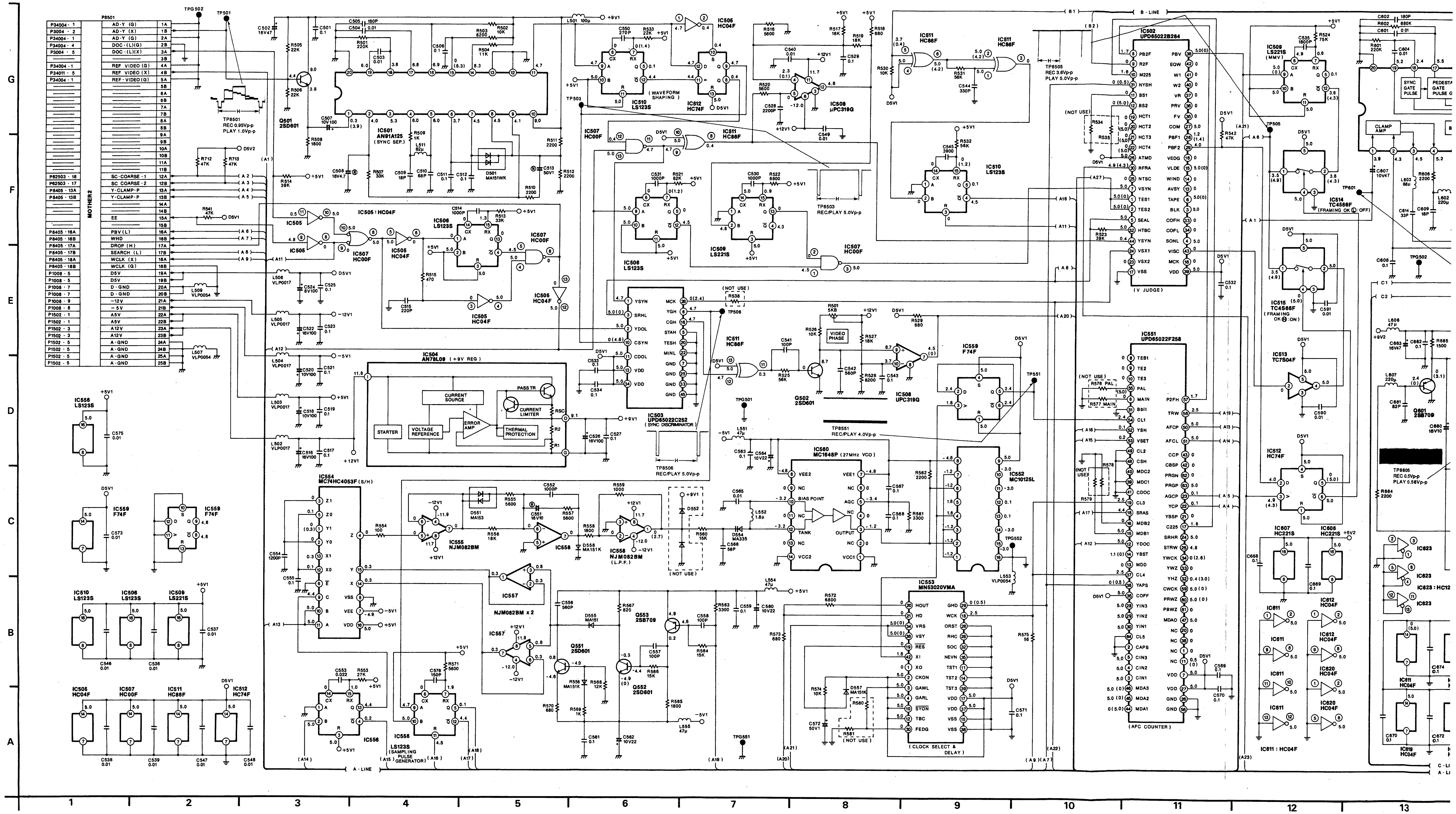
D/A SUB C.B.A.
(VEP00R46A)

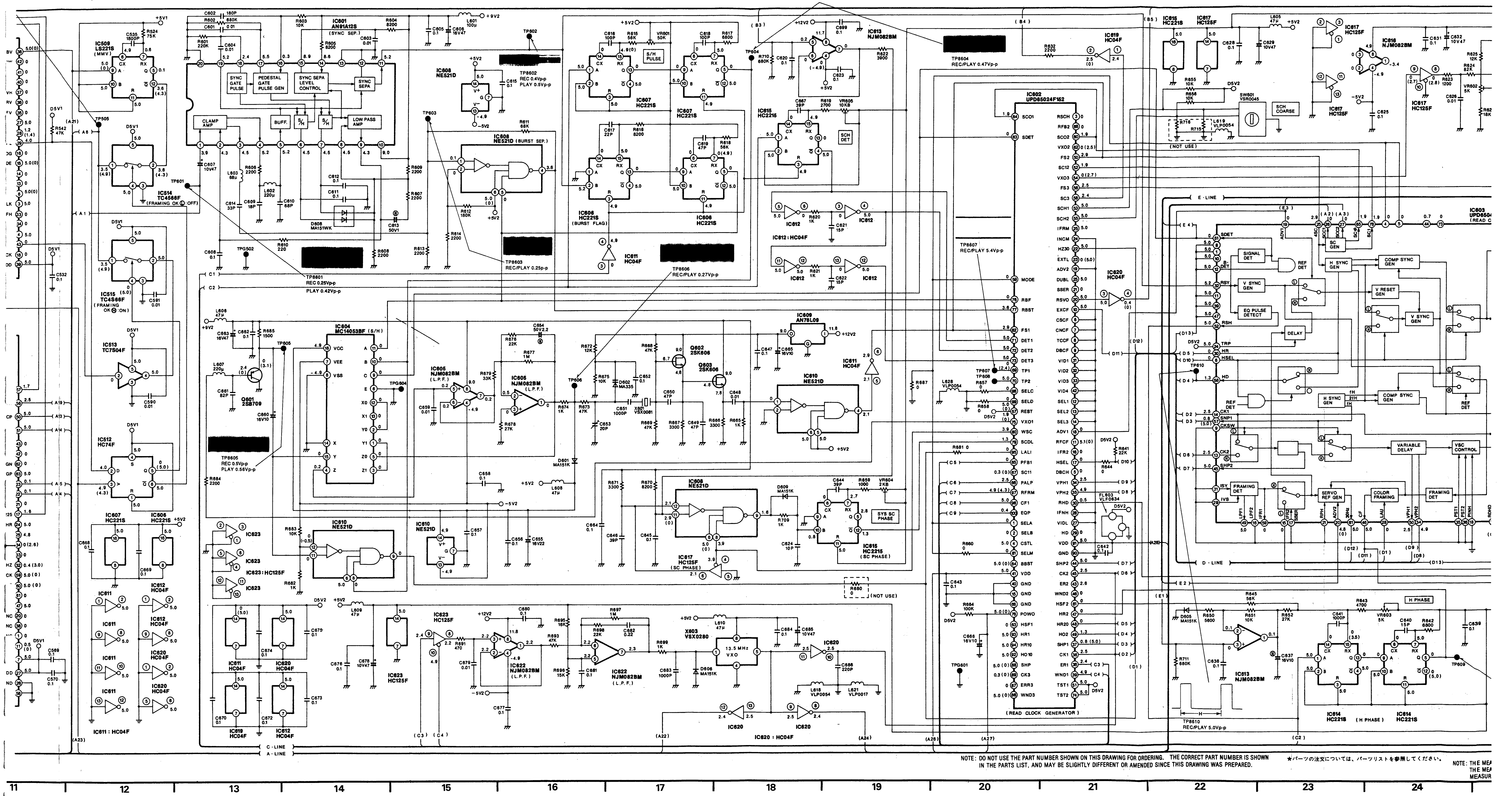

(3)
(5)
(6)
(1)
(4)
(2)
(7)
IC821
VJB00R46
L8401
(COMPONENT SIDE)
(7) (2) (4)
C491
R821
IC412
IC417
IC416
IC410
IC404
IC420
IC421
R414
REF.NO.8000 SERIES
P8402
(COMPONENT SIDE)
9
10
11
12
13
14

TBC (2) C.B.A. and D/A SUB C.B.A.	
Integrated Circuits	
IC8401	C-13 Ⓒ
IC8402	C-10 Ⓒ
IC8403	B-12 Ⓒ
IC8404	B-13 Ⓒ
IC8405	C-13 Ⓒ
IC8406	C-14 Ⓒ
IC8407	C-10 Ⓒ
IC8408	A-3 Ⓕ
IC8408	B-12 Ⓒ
IC8409	B-4 Ⓕ
IC8409	B-11 Ⓒ
IC8410	B-11 Ⓒ
IC8411	B-4 Ⓕ
IC8412	C-11 Ⓒ
IC8413	C-3 Ⓕ
IC8414	B-11 Ⓒ
IC8415	C-11 Ⓒ
IC8416	B-11 Ⓒ
IC8417	C-11 Ⓒ
IC8418	B-3 Ⓕ
IC8419	C-2 Ⓕ
IC8420	B-1 Ⓕ
IC8420	B-14 Ⓒ
IC8421	B-14 Ⓒ
IC8422	B-1 Ⓕ
IC8423	B-2 Ⓕ
IC8423	B-13 Ⓒ
IC8424	A-13 Ⓒ
IC8425	B-2 Ⓕ
IC8451	C-9 Ⓒ
IC8452	C-9 Ⓒ
IC8453	B-10 Ⓒ
IC8454	B-8 Ⓒ
IC8455	B-8 Ⓒ
IC8456	B-8 Ⓒ
IC8457	B-8 Ⓒ
IC8491	C-9 Ⓒ
IC8492	C-10 Ⓒ
IC8493	B-10 Ⓒ
IC8821	D-9 Ⓒ
Test Points	
TP8451	B-7 Ⓕ
TP8451	B-9 Ⓒ
TP8452	B-6 Ⓕ
TP8452	B-9 Ⓒ
TPG8401	C-2 Ⓕ
TPG8401	C-13 Ⓒ
TPG8402	B-5 Ⓕ
TPG8402	B-10 Ⓒ
TPG8451	A-6 Ⓕ
TPG8451	A-10 Ⓒ
Adjustments	
VR8451	C-6 Ⓕ
VR8451	C-9 Ⓒ
VR8452	C-6 Ⓕ
VR8452	C-9 Ⓒ
Connectors	
P8401	A-2 Ⓕ
P8401	A-13 Ⓒ
P8402	A-1 Ⓕ
P8402	A-14 Ⓒ
P8403	B-6 Ⓕ
P8403	B-9 Ⓒ
P8404	A-7 Ⓕ
P8404	A-8 Ⓒ
P8405	A-3 Ⓕ
P8405	A-13 Ⓒ
P8406	A-6 Ⓕ
P8406	A-10 Ⓒ

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

TBC (3) SCHEMATIC DIAGRAM


P8501
MOTHER2
TPG502
TP501
TP8501
REC 0.95Vp-p
PLAY 1.0Vp-p
Q501
2SD601
IC501
AN91A125
(SYNC SEP.)
D501
MA151WK
IC505 : HC04F
IC506
LS123S
IC507
HC00F
IC504
AN78L09 (+9V REG)
CURRENT SOURCE
PASS TR
CURRENT LIMITER
ERROR AMP
VOLTAGE REFERENCE
STARTER
THERMAL PROTECTION
IC510
LS123S
IC512
HC74F
IC508
μPC319G
IC511
HC86F
IC509
LS221S
IC503
UPD65022C252
(SYNC DISCRIMINATOR)
TP8503
REC/PLAY 5.0Vp-p
TP8506
REC/PLAY 5.0Vp-p
IC502
UPD65022B264
(V JUDGE)
TP8505
REC 3.6Vp-p
PLAY 5.0Vp-p
Q502
2SD601
VIDEO PHASE
TP8551
REC/PLAY 4.0Vp-p
IC560
MC1648P (27MHz VCO)
BIAS POINT
TANK
OUTPUT
IC552
MC10125L
IC559
F74F
IC551
UPD65022F258
(AFC COUNTER)
IC554
MC74HC4053F (S/H)
IC555
NJM082BM
IC558
NJM082BM
(L.P.F.)
IC557
NJM082BM x 2
Q551
2SD601
Q552
2SD601
Q553
2SB709
IC553
MN53020VMA
(CLOCK SELECT & DELAY)
IC556
LS123S
(SAMPLING PULSE GENERATOR)
IC514
TC4S66F
(FRAMING OK ⓪ : OFF)
IC515
TC4S66F
(FRAMING OK ⑤ : ON)
IC513
TC7S04F
Q601
2SB709
CLAMP AMP
SYNC GATE PULSE
PEDESTAL GATE PULSE
TP505
TP551
TP552
TP601
TP8605
REC 0.5Vp-p
PLAY 0.58Vp-p
IC607
HC221S
IC606
HC221S
IC611 : HC04F
IC612
HC04F
IC620
HC04F
IC619
HC04F
IC623 : HC12
A - LINE
B - LINE
(NOT USE)
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13

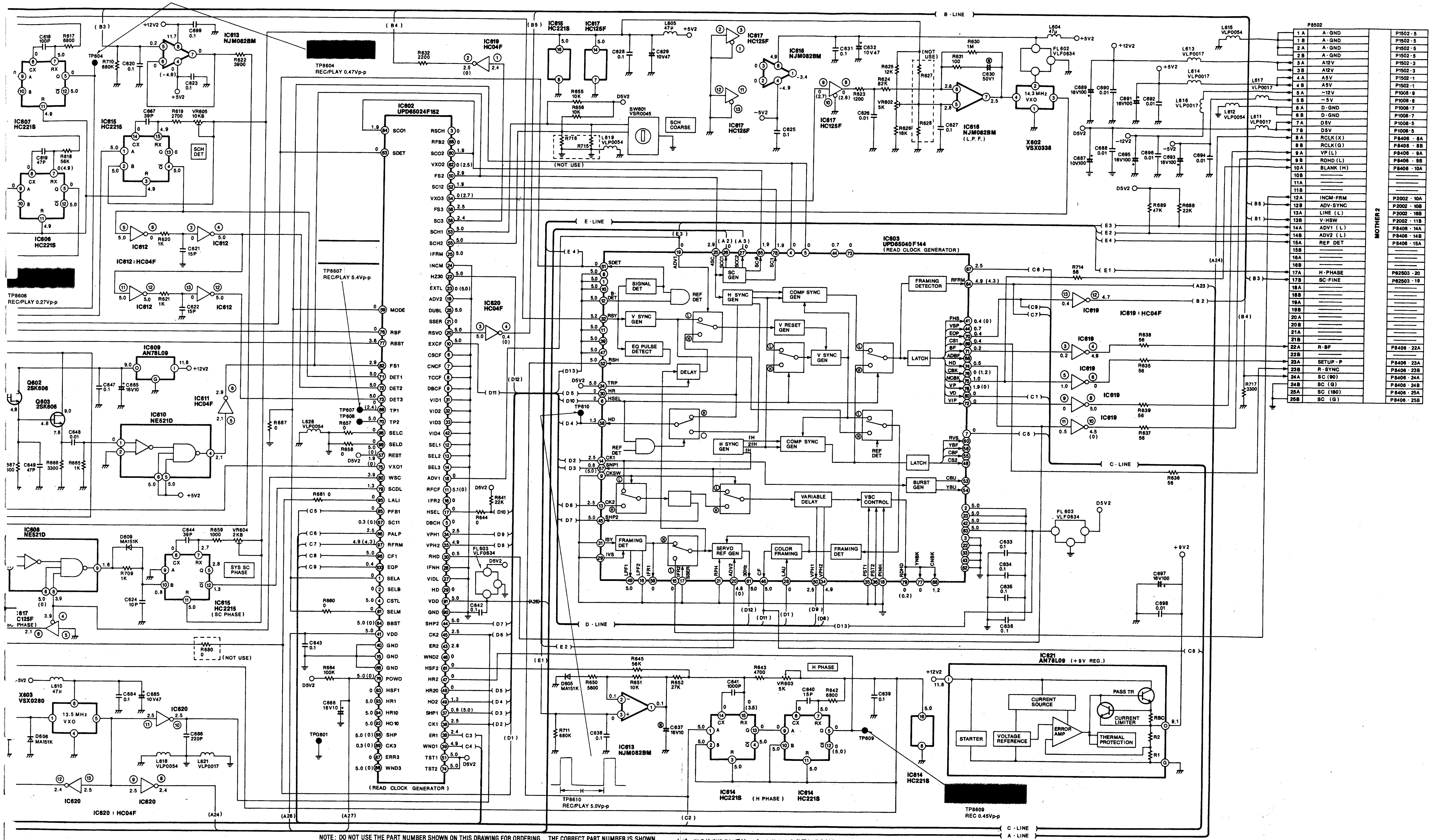

IC509 LS221S (MMV)
IC514 TC4566F (FRAMING OK ⓗ : OFF)
IC515 TC4S66F (FRAMING OK ⓗ : ON)
IC513 TC7S04F
IC512 HC74F
IC601 AN91A12S (SYNC SEP.)
SYNC GATE PULSE
PEDESTAL GATE PULSE GEN
SYNC SEPA LEVEL CONTROL
SYNC SEPA
CLAMP AMP
BUFF.
S/H
LOW PASS AMP
D608 MA151WK
TP601
TP801 REC 0.25Vp-p PLAY 0.42Vp-p
TPG502
IC608 NE521D
TP602 REC 0.4Vp-p PLAY 0.5Vp-p
TP603
IC608 NE521D (BURST SEP.)
TP8603 REC/PLAY 0.25p-p
IC607 HC221S
IC606 HC221S (BURST FLAG)
S/H PULSE
IC611 HC04F
TP8606 REC/PLAY 0.27Vp-p
IC615 HC221S
SCH DET
IC613 NJM082BM
TP604
IC612 : HC04F
TP8604 REC/PLAY 0.47Vp-p
IC602 UPD65024F152
(READ CLOCK GENERATOR)
TP8607 REC/PLAY 5.4Vp-p
IC619 HC04F
IC620 HC04F
IC616 HC221S
IC617 HC125F
IC616 NJM082BM
SW601 VSR0045
SCH COARSE
(NOT USE)
IC603 UPD6504
SDET
SIGNAL DET
REF DET
SC GEN
H SYNC GEN
COMP SYNC GEN
V SYNC GEN
V RESET GEN
EQ PULSE DETECT
DELAY
V SYNC GEN
H SYNC GEN
VARIABLE DELAY
VSC CONTROL
FRAMING DET
SERVO REF GEN
COLOR FRAMING
FRAMING DET
E-LINE
D-LINE
H PHASE
IC613 NJM082BM
TP8610 REC/PLAY 5.0Vp-p
IC614 HC221S (H PHASE) IC614 HC221S
TP610
TP609
IC604 MC14053BF (S/H)
IC605 NJM082BM (L.P.F.)
IC609 AN78L09
Q602 2SK606
Q603 2SK606
X601 VSX0081
IC610 NE521D
IC611 HC04F
TP8605 REC 0.5Vp-p PLAY 0.56Vp-p
Q601 2SB709
TP605
TP606
TPG604
IC608 NE521D
IC617 HC125F (SC PHASE)
IC615 HC221S (SC PHASE)
SYS SC PHASE
IC623 : HC125F
IC610 NE521D
IC607 HC221S
IC606 HC221S
IC611 : HC04F
IC612 HC04F
IC620 HC04F
IC623 HC125F
IC622 NJM082BM (L.P.F.)
X603 VSX0280
13.5 MHz VXO
IC620 : HC04F
TPG601
C-LINE
A-LINE
11
12
13
14
15
16
17
18
19
20
21
22
23
24

[redacted]
[redacted]
[redacted]
[redacted]
[redacted]
[redacted]

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★パーツの注文については、パーツリストを参照してください。

NOTE: THE MEA
THE MEA
MEASUR


[redacted]
TP8604
REC/PLAY 0.47Vp-p
[redacted]
TP8606
REC/PLAY 0.27Vp-p
TP8607
REC/PLAY 5.4Vp-p
TP8608
TP8610
REC/PLAY 5.0Vp-p
[redacted]
TP8609
REC 0.45Vp-p
TP601
IC607 HC221S
IC606 HC221S
IC615 HC221S
IC613 NJM082BM
IC612 : HC04F
IC609 AN78L09
IC610 NE521D
IC611 HC04F
IC608 NE521D
IC615 HC221S (SC PHASE)
IC617 HC125F
IC620 : HC04F
X603 VSX0280
13.5 MHz VXO
Q602 2SK606
Q603 2SK606
SCH DET
SYS SC PHASE
IC802 UPD65024F152
(READ CLOCK GENERATOR)
IC819 HC04F
IC620 HC04F
IC615 HC221S
IC617 HC125F
SW601 VSR0045
SCH COARSE
(NOT USE)
IC616 NJM082BM
IC616 NJM082BM (L.P.F.)
X602 VSX0338
14.3 MHz VXO
FL602 VLF0634
FL603 VLF0634
IC803 UPD65040F144
(READ CLOCK GENERATOR)
SIGNAL DET
REF DET
SC GEN
H SYNC GEN
COMP SYNC GEN
V SYNC GEN
V RESET GEN
V SYNC GEN
EQ PULSE DETECT
DELAY
FRAMING DETECTOR
LATCH
BURST GEN
VARIABLE DELAY
VSC CONTROL
SERVO REF GEN
COLOR FRAMING
FRAMING DET
IC819 : HC04F
IC821 AN78L09 (+9V REG.)
CURRENT SOURCE
PASS TR
STARTER
VOLTAGE REFERENCE
ERROR AMP
CURRENT LIMITER
THERMAL PROTECTION
IC613 NJM082BM
H PHASE
IC614 HC221S (H PHASE) IC614 HC221S
B-LINE
C-LINE
D-LINE
E-LINE
A-LINE
P8502
1 A | A·GND | P1502·5
1 B | A·GND | P1502·5
2 A | A·GND | P1502·5
2 B | A·GND | P1502·5
3 A | A12V | P1502·3
3 B | A12V | P1502·3
4 A | A5V | P1502·1
4 B | A5V | P1502·1
5 A | −12V | P1008·9
5 B | −5V | P1008·8
6 A | D·GND | P1008·7
6 B | D·GND | P1008·7
7 A | D5V | P1008·5
7 B | D5V | P1008·5
8 A | RCLK(X) | P8406·8A
8 B | RCLK(G) | P8406·8B
9 A | VP(L) | P8406·9A
9 B | RDHD(L) | P8406·9B
10 A | BLANK (H) | P8406·10A
12 A | INCM·FRM | P2002·10A
12 B | ADV·SYNC | P2002·10B
13 A | LINE (L) | P2002·16B
13 B | V·HSW | P2002·11B
14 A | ADV1 (L) | P8406·14A
14 B | ADV2 (L) | P8406·14B
15 A | REF DET | P8406·15A
17 A | H·PHASE | P62503·20
17 B | SC·FINE | P62503·19
22 A | R·BF | P8406·22A
23 A | SETUP·P | P8406·23A
23 B | R·SYNC | P8406·23B
24 A | SC (90) | P8406·24A
24 B | SC (G) | P8406·24B
25 A | SC (180) | P8406·25A
25 B | SC (G) | P8406·25B
MOTHER 2

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

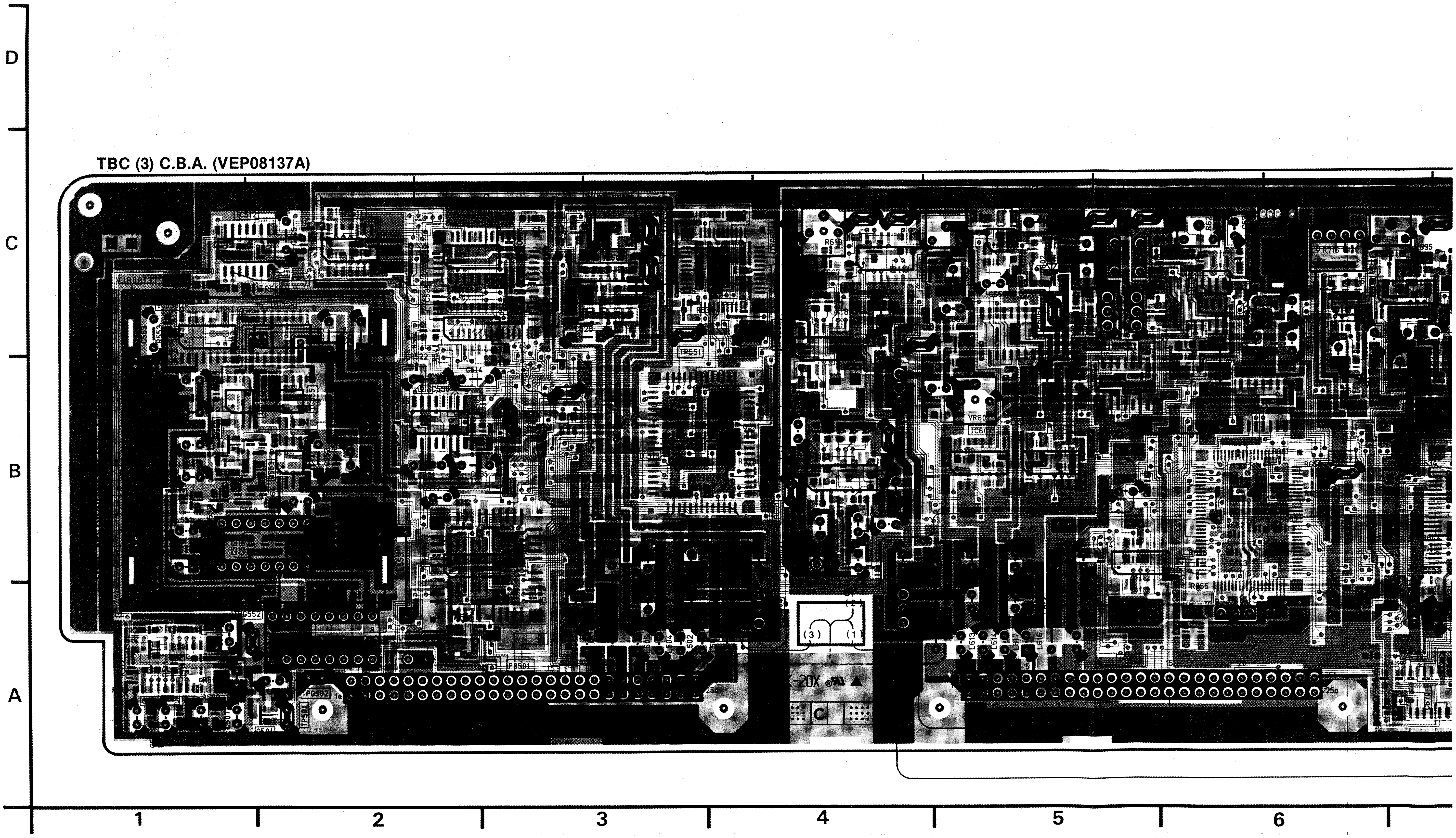
★パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

注意：DC電圧の測定値は、録画は（ ）付
再生は（ ）なし
録再共通は（ ）なしで示してあります。

18 19 20 21 22 23 24 25 26 27 28

TBC (3) C.B.A. (VEP08137A) AND TBC SUB (3) C.B.A. (VEP00R48A)

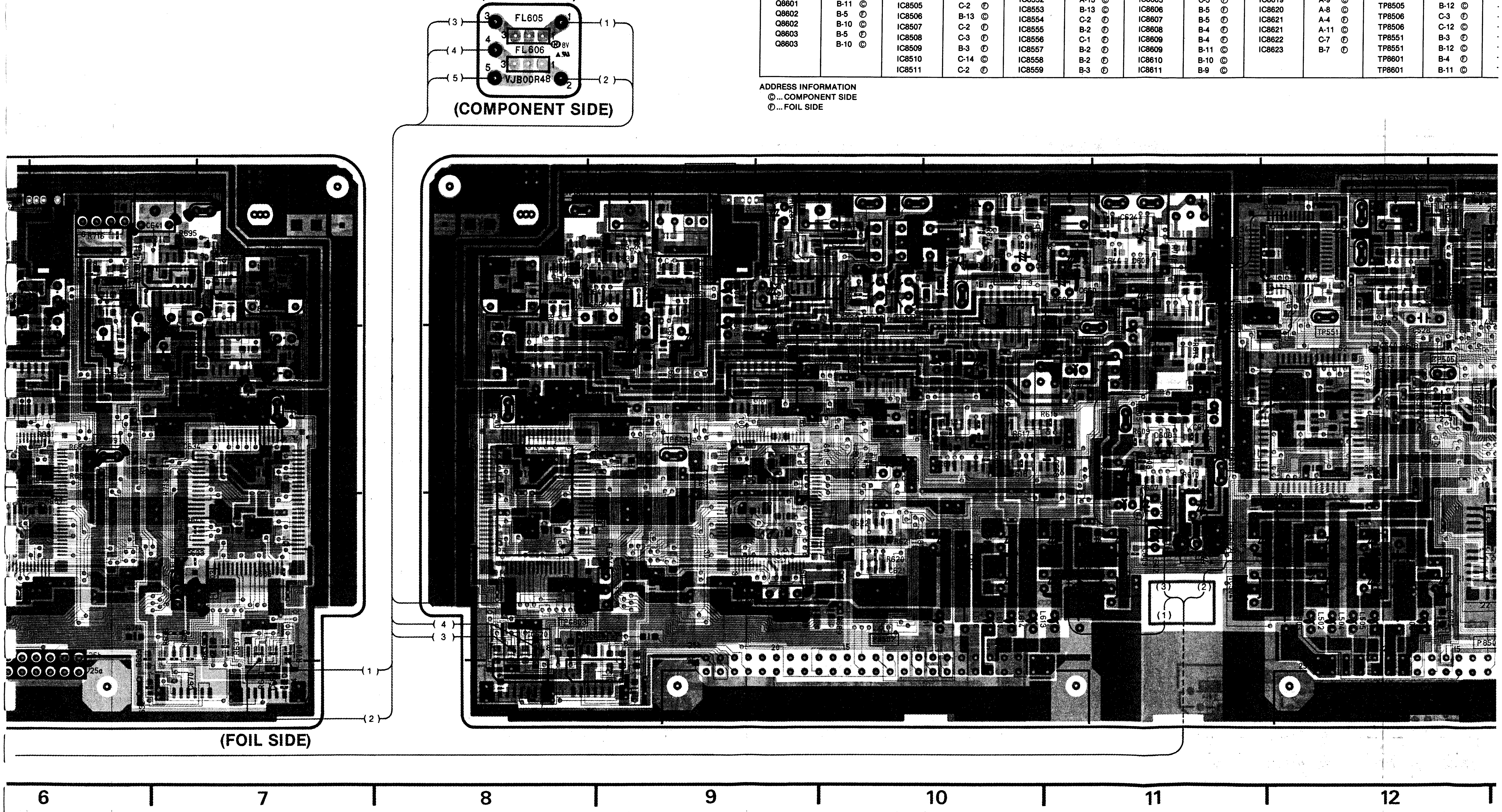

D
C
B
A
TBC (3) C.B.A. (VEP08137A)
TP551
R619
VR601
IC607
R655
P8501
TP502
TP501
25a
(3)
(1)
C
1
2
3
4
5
6

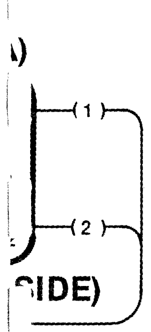
TBC (3) C.B.A. and TBC SUB (3) C.B.A.

Transistors		Integrated Circuits								Test Points	
Q8501	A-2 Ⓕ	IC8501	A-14 Ⓒ	IC8512	C-1 Ⓕ	IC8560	B-2 Ⓕ	IC8612	B-6 Ⓕ	TP8501	A-2 Ⓕ
Q8502	C-12 Ⓒ	IC8502	C-11 Ⓒ	IC8513	B-3 Ⓕ	IC8560	B-14 Ⓒ	IC8613	C-6 Ⓕ	TP8501	A-14 Ⓒ
Q8551	B-14 Ⓒ	IC8503	C-13 Ⓒ	IC8514	B-12 Ⓒ	IC8601	B-4 Ⓕ	IC8614	C-6 Ⓕ	TP8503	C-3 Ⓕ
Q8552	B-1 Ⓕ	IC8504	A-4 Ⓕ	IC8515	B-3 Ⓕ	IC8602	B-9 Ⓒ	IC8615	C-4 Ⓕ	TP8503	C-12 Ⓒ
Q8553	B-2 Ⓕ	IC8504	A-11 Ⓒ	IC8551	B-12 Ⓒ	IC8603	B-9 Ⓒ	IC8616	C-6 Ⓕ	TP8505	B-3 Ⓕ
Q8601	B-11 Ⓒ	IC8505	C-2 Ⓕ	IC8552	A-2 Ⓕ	IC8604	C-10 Ⓒ	IC8617	C-9 Ⓒ	TP8505	B-12 Ⓒ
Q8602	B-5 Ⓕ	IC8506	B-13 Ⓒ	IC8552	A-13 Ⓒ	IC8605	C-5 Ⓕ	IC8619	A-9 Ⓒ	TP8506	C-3 Ⓕ
Q8602	B-10 Ⓒ	IC8507	C-2 Ⓕ	IC8553	B-13 Ⓒ	IC8606	B-5 Ⓕ	IC8620	A-8 Ⓒ	TP8506	C-12 Ⓒ
Q8603	B-5 Ⓕ	IC8508	C-3 Ⓕ	IC8554	C-2 Ⓕ	IC8607	B-5 Ⓕ	IC8621	A-4 Ⓕ	TP8551	B-3 Ⓕ
Q8603	B-10 Ⓒ	IC8509	B-3 Ⓕ	IC8555	B-2 Ⓕ	IC8608	B-4 Ⓕ	IC8621	A-11 Ⓒ	TP8551	B-12 Ⓒ
		IC8510	C-14 Ⓒ	IC8556	C-1 Ⓕ	IC8609	B-4 Ⓕ	IC8622	C-7 Ⓕ	TP8601	B-4 Ⓕ
		IC8511	C-2 Ⓕ	IC8557	B-2 Ⓕ	IC8609	B-11 Ⓒ	IC8623	B-7 Ⓕ	TP8601	B-11 Ⓒ
				IC8558	B-2 Ⓕ	IC8610	B-10 Ⓒ				
				IC8559	B-3 Ⓕ	IC8611	B-9 Ⓒ				

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

TBC SUB (3)
C.B.A.
(VEP00R48A)


FL605
FL606
VJB00R48
8V
(1)
(2)
(3)
(4)
(5)
1
2
3
4
5
C641
R695
TP551
R620
C621
L613
L502
P850
(COMPONENT SIDE)
(FOIL SIDE)
6
7
8
9
10
11
12



TBC (3) C.B.A. and TBC SUB (3) C.B.A.

Transistors	
Q8501	A-2 Ⓕ
Q8502	C-12 Ⓒ
Q8551	B-14 Ⓒ
Q8552	B-1 Ⓕ
Q8553	B-2 Ⓕ
Q8601	B-11 Ⓒ
Q8602	B-5 Ⓕ
Q8602	B-10 Ⓒ
Q8603	B-5 Ⓕ
Q8603	B-10 Ⓒ

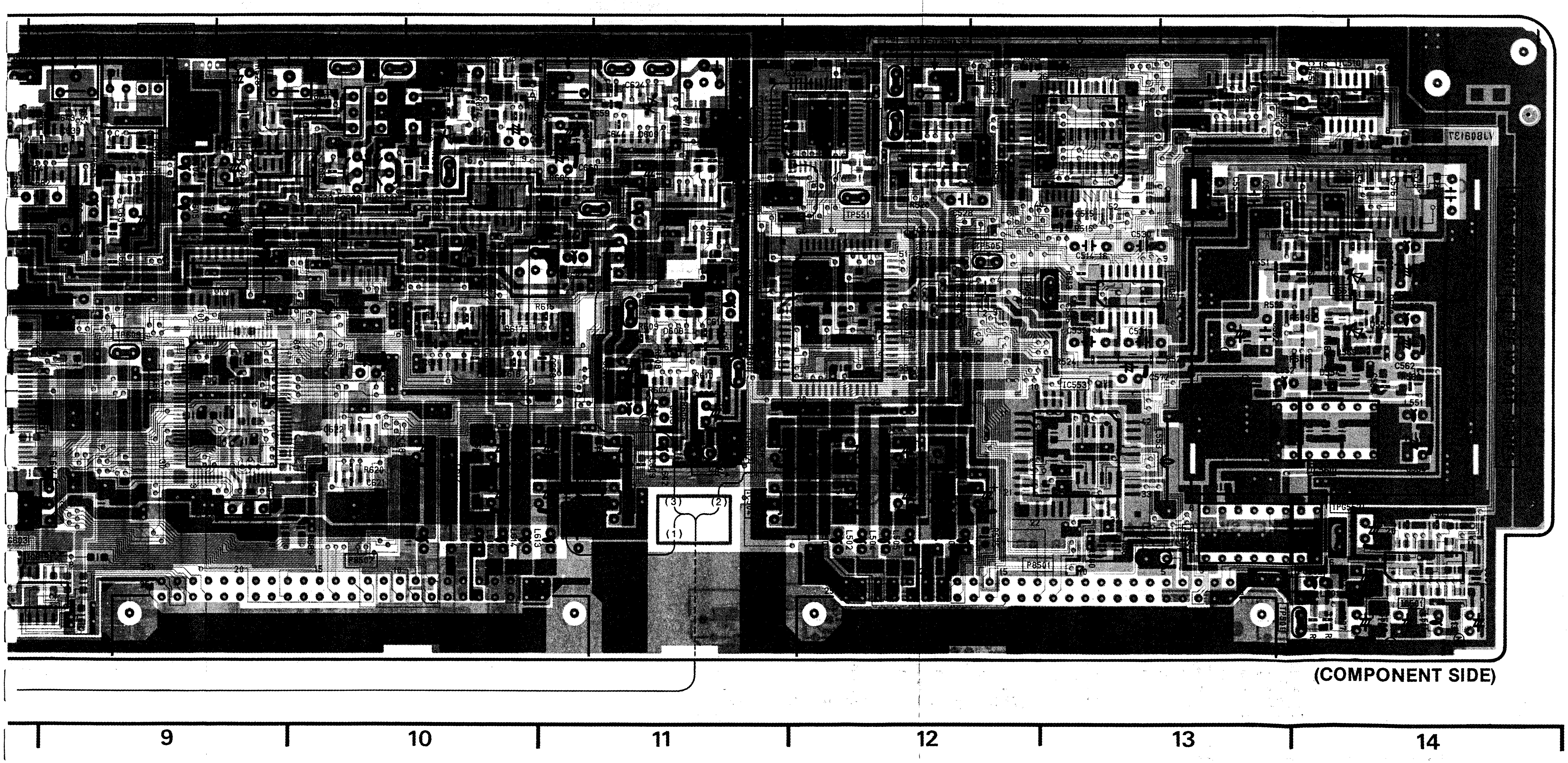
Integrated Circuits	
IC8501	A-14 Ⓒ
IC8502	C-11 Ⓒ
IC8503	C-13 Ⓒ
IC8504	A-4 Ⓕ
IC8504	A-11 Ⓒ
IC8505	C-2 Ⓕ
IC8506	B-13 Ⓒ
IC8507	C-2 Ⓕ
IC8508	C-3 Ⓕ
IC8509	B-3 Ⓕ
IC8510	C-14 Ⓒ
IC8511	C-2 Ⓕ
IC8512	C-1 Ⓕ
IC8513	B-3 Ⓕ
IC8514	B-12 Ⓒ
IC8515	B-3 Ⓕ
IC8551	B-12 Ⓒ
IC8552	A-2 Ⓕ
IC8552	A-13 Ⓒ
IC8553	B-13 Ⓒ
IC8554	C-2 Ⓕ
IC8555	B-2 Ⓕ
IC8556	C-1 Ⓕ
IC8557	B-2 Ⓕ
IC8558	B-2 Ⓕ
IC8559	B-3 Ⓕ
IC8560	B-2 Ⓕ
IC8560	B-14 Ⓒ
IC8601	B-4 Ⓕ
IC8602	B-9 Ⓒ
IC8603	B-9 Ⓒ
IC8604	C-10 Ⓒ
IC8605	C-5 Ⓕ
IC8606	B-5 Ⓕ
IC8607	B-5 Ⓕ
IC8608	B-4 Ⓕ
IC8609	B-4 Ⓕ
IC8609	B-11 Ⓒ
IC8610	B-10 Ⓒ
IC8611	B-9 Ⓒ
IC8612	B-6 Ⓕ
IC8613	C-6 Ⓕ
IC8614	C-6 Ⓕ
IC8615	C-4 Ⓕ
IC8616	C-6 Ⓕ
IC8617	C-9 Ⓒ
IC8619	A-9 Ⓒ
IC8620	A-8 Ⓒ
IC8621	A-4 Ⓕ
IC8621	A-11 Ⓒ
IC8622	C-7 Ⓕ
IC8623	B-7 Ⓕ

Test Points	
TP8501	A-2 Ⓕ
TP8501	A-14 Ⓒ
TP8503	C-3 Ⓕ
TP8503	C-12 Ⓒ
TP8505	B-3 Ⓕ
TP8505	B-12 Ⓒ
TP8506	C-3 Ⓕ
TP8506	C-12 Ⓒ
TP8551	B-3 Ⓕ
TP8551	B-12 Ⓒ
TP8601	B-4 Ⓕ
TP8601	B-11 Ⓒ
TP8602	B-4 Ⓕ
TP8602	B-11 Ⓒ
TP8603	C-4 Ⓕ
TP8603	C-11 Ⓒ
TP8604	C-4 Ⓕ
TP8604	C-11 Ⓒ
TP8605	C-4 Ⓕ
TP8605	C-11 Ⓒ
TP8606	C-5 Ⓕ
TP8606	C-10 Ⓒ
TP8607	C-5 Ⓕ
TP8607	C-10 Ⓒ
TP8608	C-5 Ⓕ
TP8608	C-10 Ⓒ
TP8609	B-6 Ⓕ
TP8609	B-9 Ⓒ
TP8610	B-7 Ⓕ
TP8610	B-8 Ⓒ
TPG8501	C-4 Ⓕ
TPG8501	C-11 Ⓒ
TPG8502	A-2 Ⓕ
TPG8502	A-14 Ⓒ
TPG8551	B-3 Ⓕ
TPG8551	B-13 Ⓒ
TPG8552	A-1 Ⓕ
TPG8552	A-14 Ⓒ
TPG8601	C-7 Ⓕ
TPG8601	C-8 Ⓒ
TPG8602	B-4 Ⓕ
TPG8602	B-11 Ⓒ
TPG8603	A-7 Ⓕ
TPG8603	A-8 Ⓒ
TPG8604	C-4 Ⓕ
TPG8604	C-11 Ⓒ

Adjustments	
C8653	C-5 Ⓕ
C8653	C-10 Ⓒ
VR8501	C-3 Ⓕ
VR8501	C-12 Ⓒ
VR8601	B-5 Ⓕ
VR8601	B-10 Ⓒ
VR8602	C-6 Ⓕ
VR8602	C-10 Ⓒ
VR8603	C-7 Ⓕ
VR8603	C-9 Ⓒ
VR8604	C-5 Ⓕ
VR8604	C-11 Ⓒ
VR8605	C-4 Ⓕ
VR8605	C-11 Ⓒ

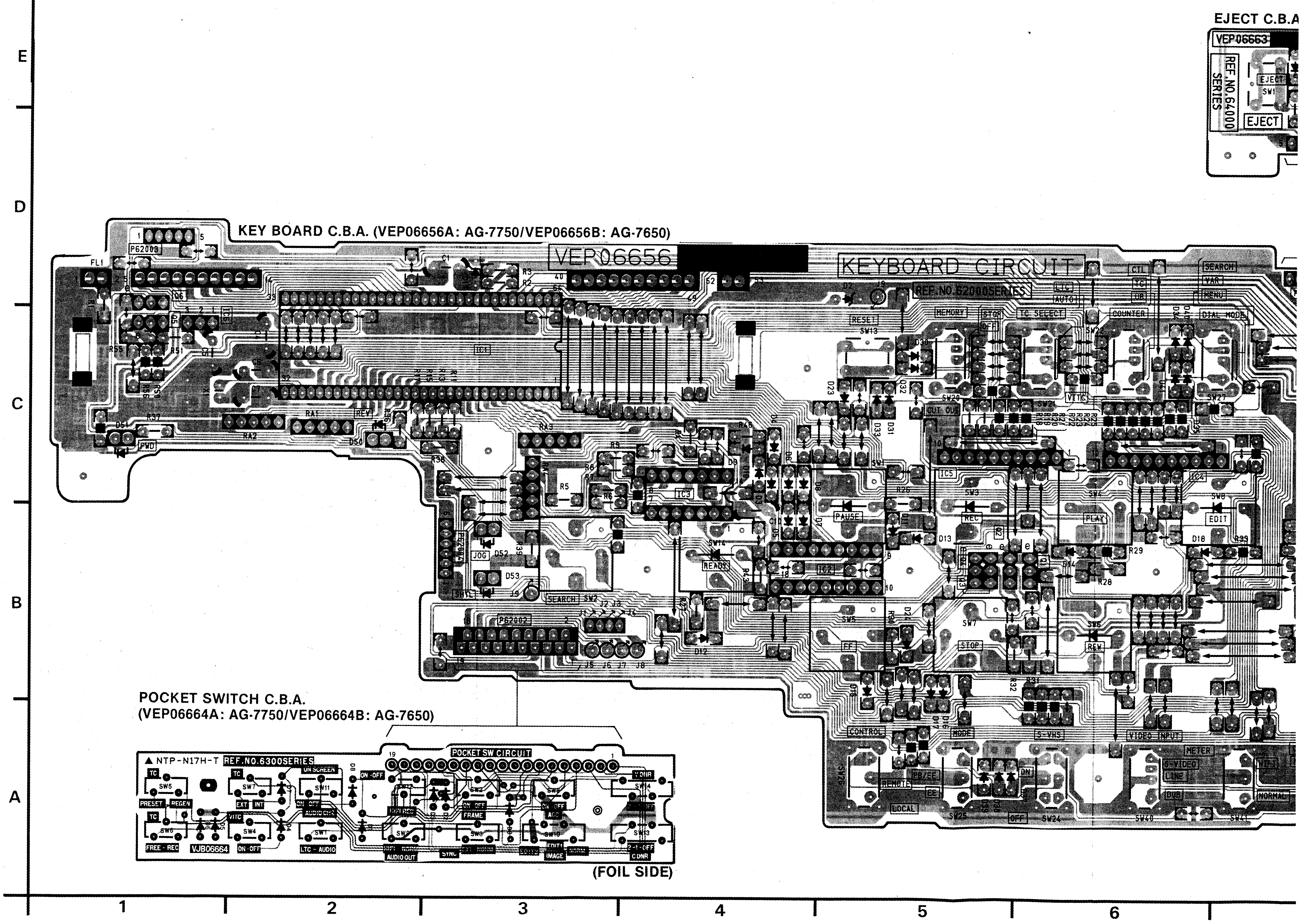
Connectors	
P8501	A-3 Ⓕ
P8501	A-13 Ⓒ
P8502	A-5 Ⓕ
P8502	A-10 Ⓒ

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE



(COMPONENT SIDE)

KEY BOARD C.B.A. (VEP06656A: AG-7750/VEP06656B: AG-7650), POCKET SW C.B.A. (VEP06664A: AG-7750/VEP06664B: AG-7650), FRO



EJECT C.B.A

KEY BOARD C.B.A. (VEP06656A: AG-7750/VEP06656B: AG-7650)

POCKET SWITCH C.B.A.
(VEP06664A: AG-7750/VEP06664B: AG-7650)

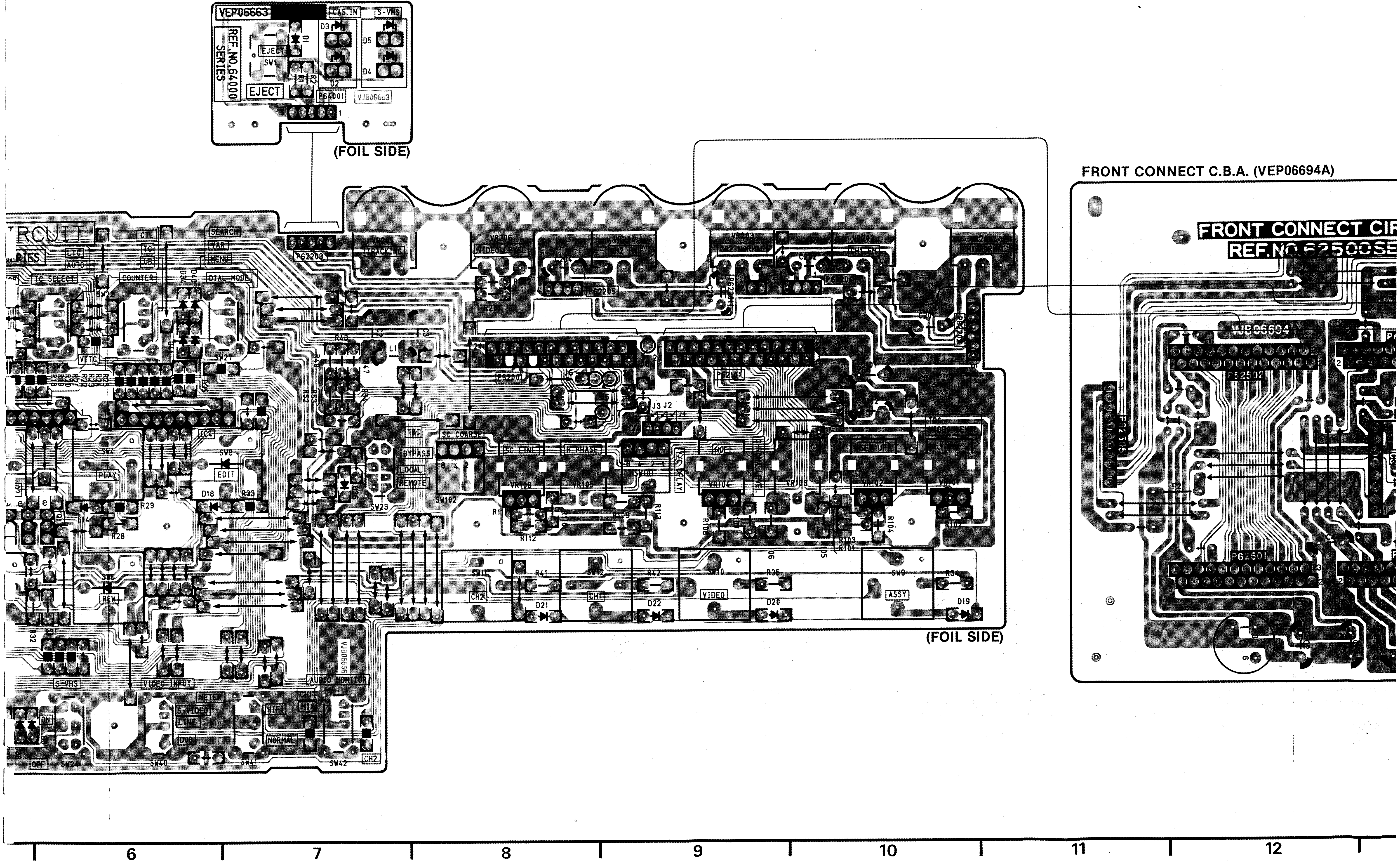
(FOIL SIDE)

E
D
C
B
A
1
2
3
4
5
6
VEP06663
REF.NO.64000 SERIES
EJECT
SW1
VEP06656
KEYBOARD CIRCUIT
REF.NO.52000SERIES
P62003
FL1
IC1
IC2
IC3
IC4
IC5
RA1
RA2
RA3
PWD
REV
RESET
SW13
MEMORY
STOP OFF
TC SELECT
COUNTER
DIAL MODE
SEARCH
VAR
MENU
CTL
TC
UB
LTC
AUTO
VITC
CUT OUT
PAUSE
REC
PLAY
EDIT
READY
JOG
SHTL
SEARCH
P62002
FF
STOP
REW
CONTROL
MODE
S-VHS
VIDEO INPUT
METER
S-VIDEO
LINE
DUB
NORMAL
REMOTE
PB/EE
EE
LOCAL
ON
OFF
NTP-N17H-T
REF.NO.6300SERIES
POCKET SW CIRCUIT
VJB06664
TC
PRESET
REGEN
FREE - REC
EXT
INT
VITC
ON - OFF
ON SCREEN
AUDIO CH3
LTC - AUDIO
FRAME
AGC
SYNC
IMAGE
AUDIO OUT
DNR
CDNR

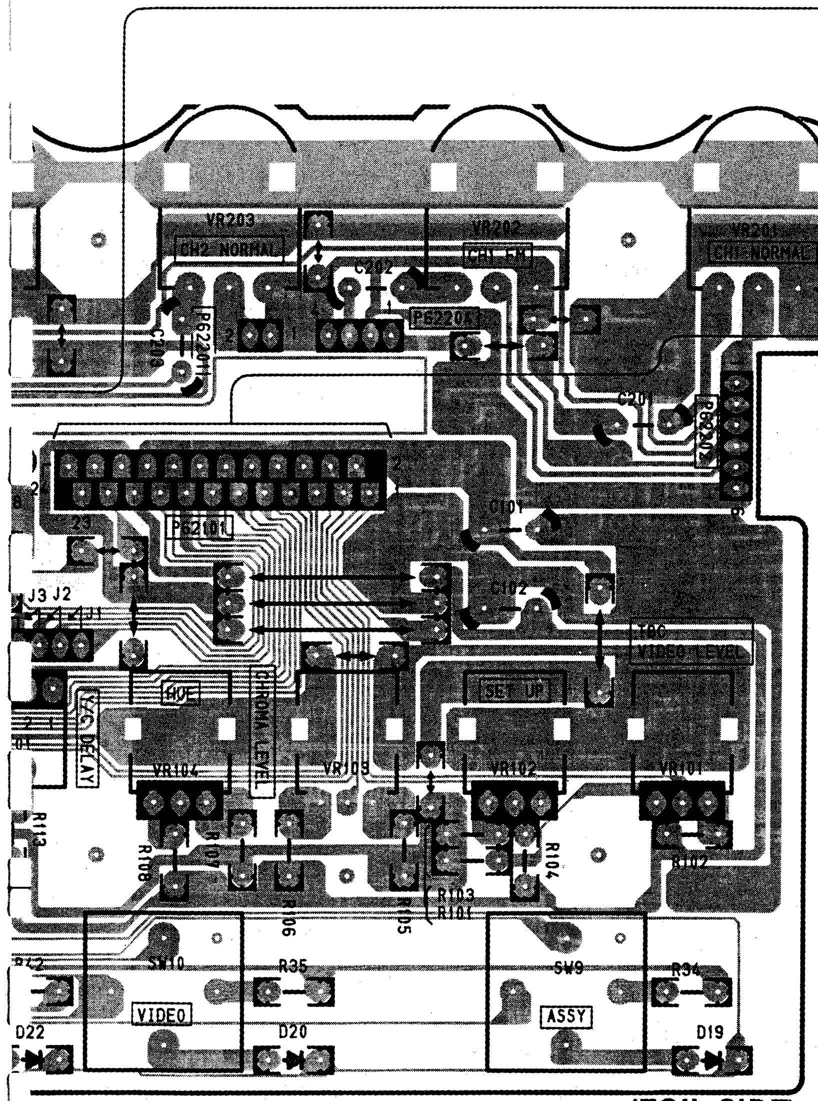
750/VEP06664B: AG-7650), FRONT CONNECT C.B.A. (VEP06694A) AND EJECT C.B.A. (VEP06663A)

EJECT C.B.A. (VEP06663A)

FRONT CONNECT C.B.A. (VEP06694A)

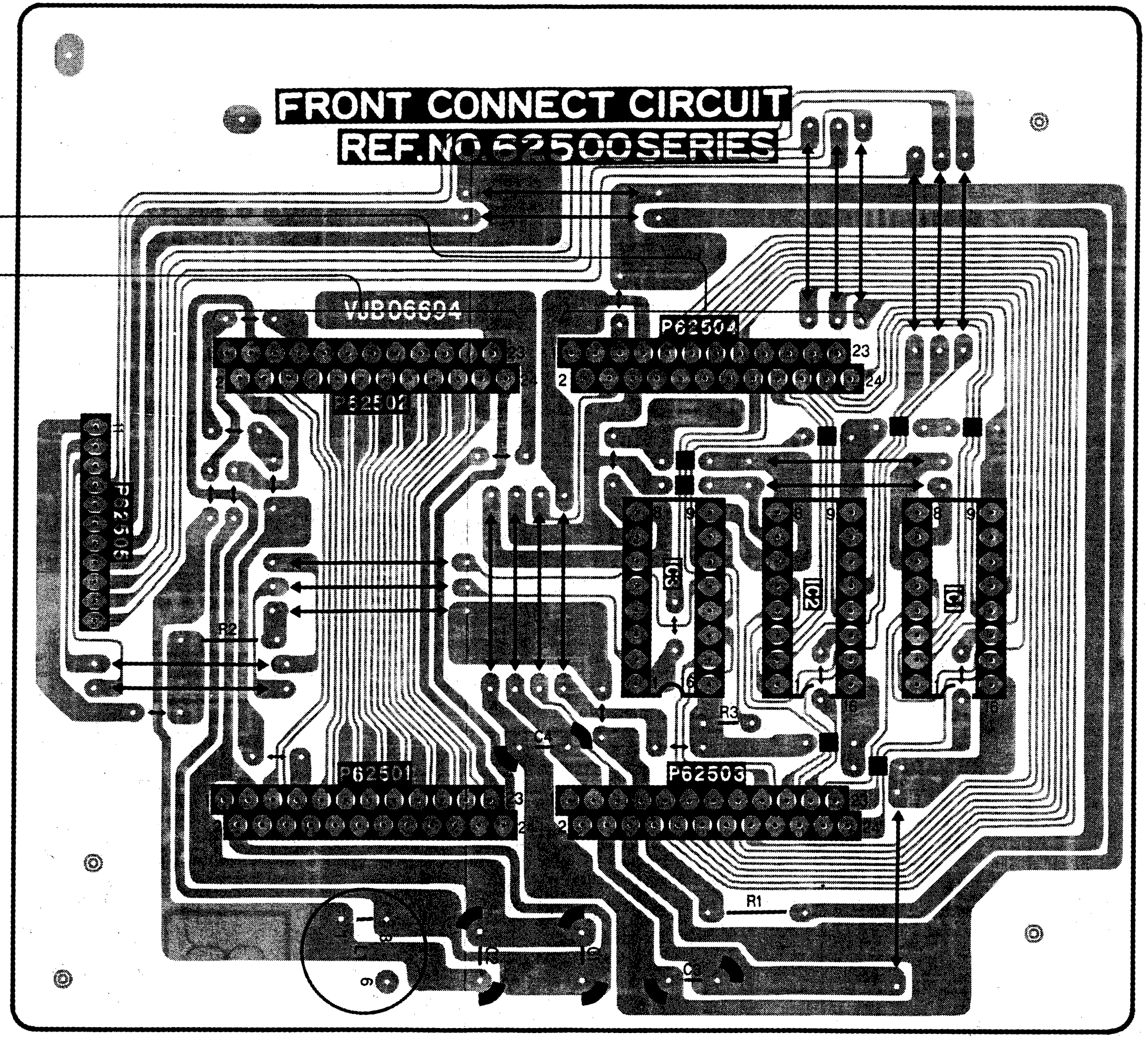

VEP06663[redacted]
CAS.IN
S-VHS
REF.NO.64000 SERIES
EJECT
SW1
D1
D2
D3
D4
D5
P64001
VJB06663
(FOIL SIDE)
RCUIT
RIES
TC SELECT
COUNTER
DIAL MODE
SEARCH
VAR
MENU
CTL
TC
UB
LTC
AUTO
VITC
P62203
VR205
TRACKING
VR206
VIDEO LEVEL
VR204
CH2 FM
VR203
CH2 NORMAL
VR202
CH1 FM
VR201
CH1 NORMAL
P62205
P62206
P62201
P62202
R201
L1
L2
C3
TBC
SC COARSE
BYPASS
LOCAL
REMOTE
SW102
SW23
SC FINE
H PHASE
Y/C DELAY
HUE
CHROMA LEVEL
SET UP
VIDEO LEVEL
VR106
VR105
VR104
VR103
VR102
VR101
SW101
J1
J2
J3
PLAY
EDIT
REW
SW4
SW8
SW22
SW27
SW5
IC4
D18
R28
R29
R31
R32
R33
SW11
SW12
SW10
SW9
CH2
CH1
VIDEO
ASSY
R41
R42
R35
R34
D21
D22
D20
D19
(FOIL SIDE)
VJB06656
AUDIO MONITOR
S-VHS
VIDEO INPUT
METER
S-VIDEO
LINE
DUB
HIFI
NORMAL
CH1
MIX
CH2
ON
OFF
SW24
SW40
SW41
SW42
FRONT CONNECT CIR
REF.NO.62500SE
VJB06694
P62502
P62501
P62503
R2
6
7
8
9
10
11
12

D EJECT C.B.A. (VEP06663A)


VR203
CH2 NORMAL
VR202
CH1 EM
VR201
CH1 NORMAL
C202
P62202
P62201
C210
C201
P62203
P62101
C101
C102
J3
J2
J1
VIDEO LEVEL
Y/C DELAY
CHROMA LEVEL
SET UP
VR104
VR103
VR102
VR101
R106
R107
R106
R103
R101
R105
R104
R102
R113
SW10
R35
SW9
R34
VIDEO
ASSY
D22
D20
D19

(FOIL SIDE)

FRONT CONNECT C.B.A. (VEP06694A)


FRONT CONNECT CIRCUIT
REF.NO.62500SERIES
VJB06604
P62502
P62504
P62505
P62501
P62503
IC1
IC2
IC3
R1
R2
R3
C1
C2

(FOIL SIDE)

9 10 11 12 13

KEYBOARD C.B.A.	
Transistors	
Q62001	B-6
Q62002	B-5
Q62003	B-5
Q62004	B-5
Q62005	C-1
Q62006	D-1
Integrated Circuits	
IC62001	C-3
IC62002	B-5
IC62003	C-4
IC62004	C-6
IC62005	C-5
IC62006	C-1
Adjustments	
VR62101	B-10
VR62102	B-10
VR62103	B-10
VR62104	B-9
VR62105	B-8
VR62106	B-8
VR62201	D-10
VR62202	D-10
VR62203	D-9
VR62204	D-9
VR62205	D-7
VR62206	D-8
Connectors	
P62001	C-8
P62002	B-3
P62003	D-1
P62004	B-3
P62101	C-9
P62201	C-9
P62202	C-10
P62203	D-7
P62204	C-10
P62205	C-9

ADDRESS INFORMATION

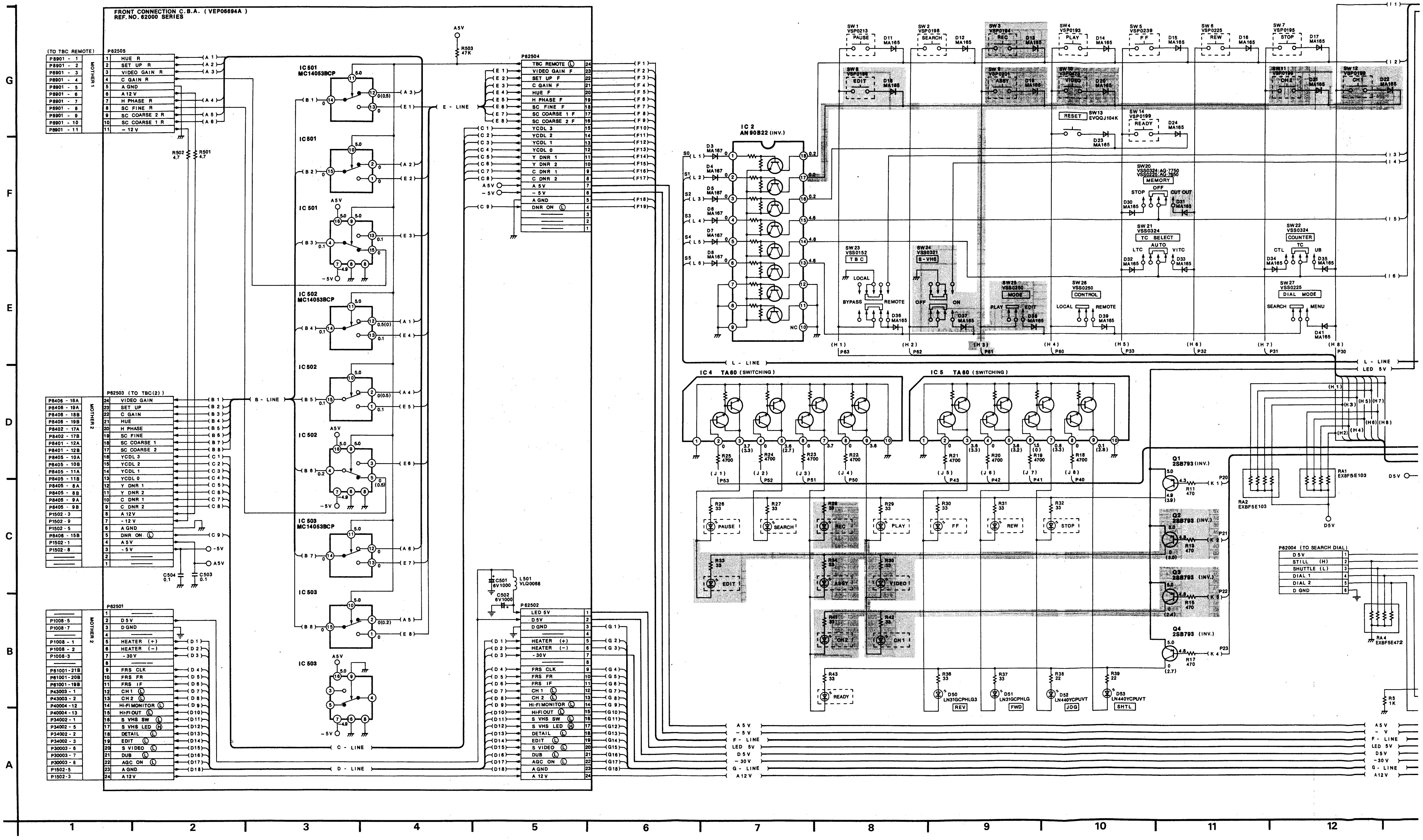
FRONT CONNECT C.B.A.	
Integrated Circuits	
IC62501	B-13
IC62502	B-13
IC62503	B-13
Connectors	
P62501	B-12
P62502	C-12
P62503	B-13
P62504	C-13
P62505	C-11

ADDRESS INFORMATION

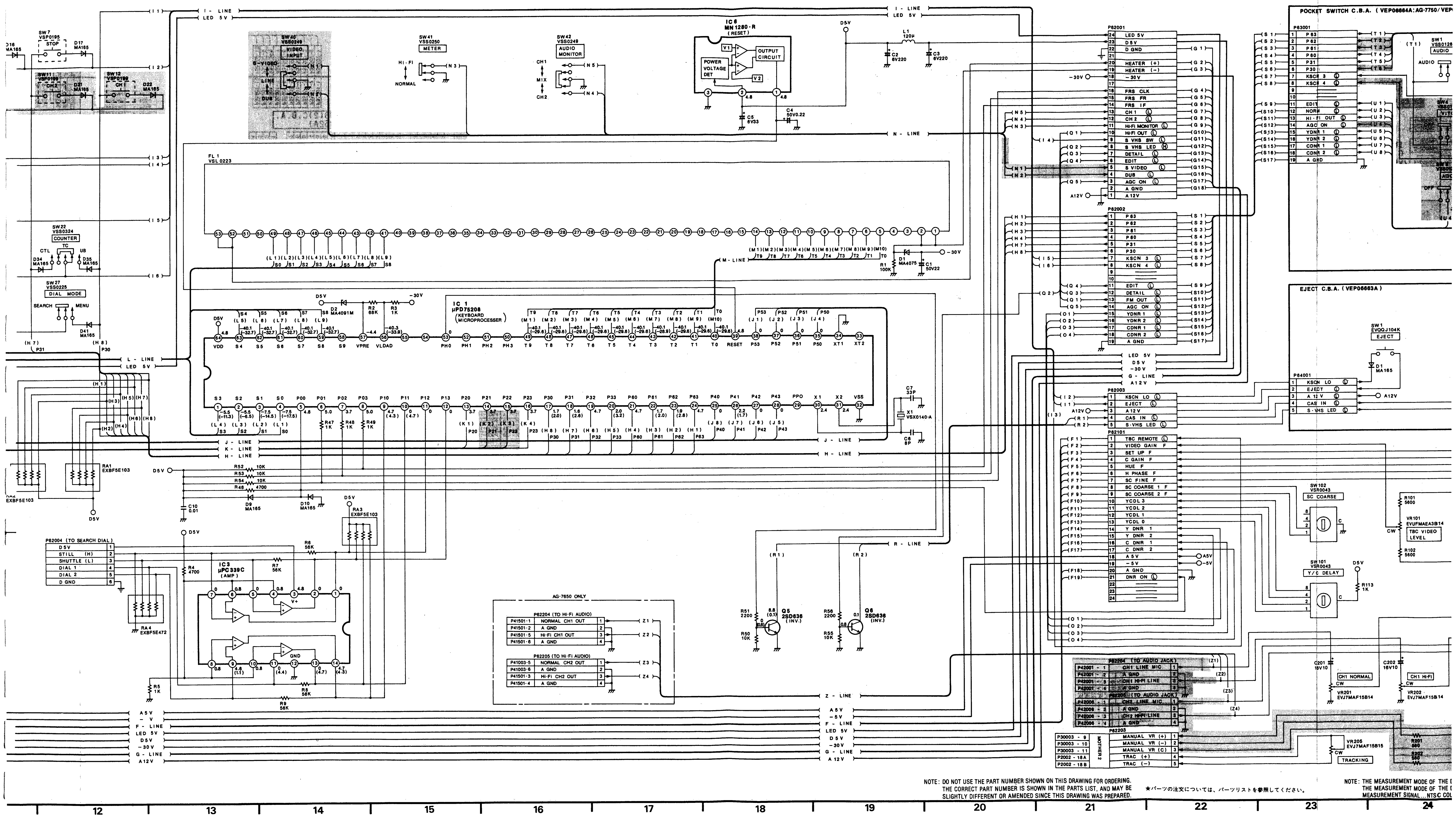
EJECT C.B.A.	
Connector	
P64001	D-7

ADDRESS INFORMATION

KEY BOARD SCHEMATIC DIAGRAM



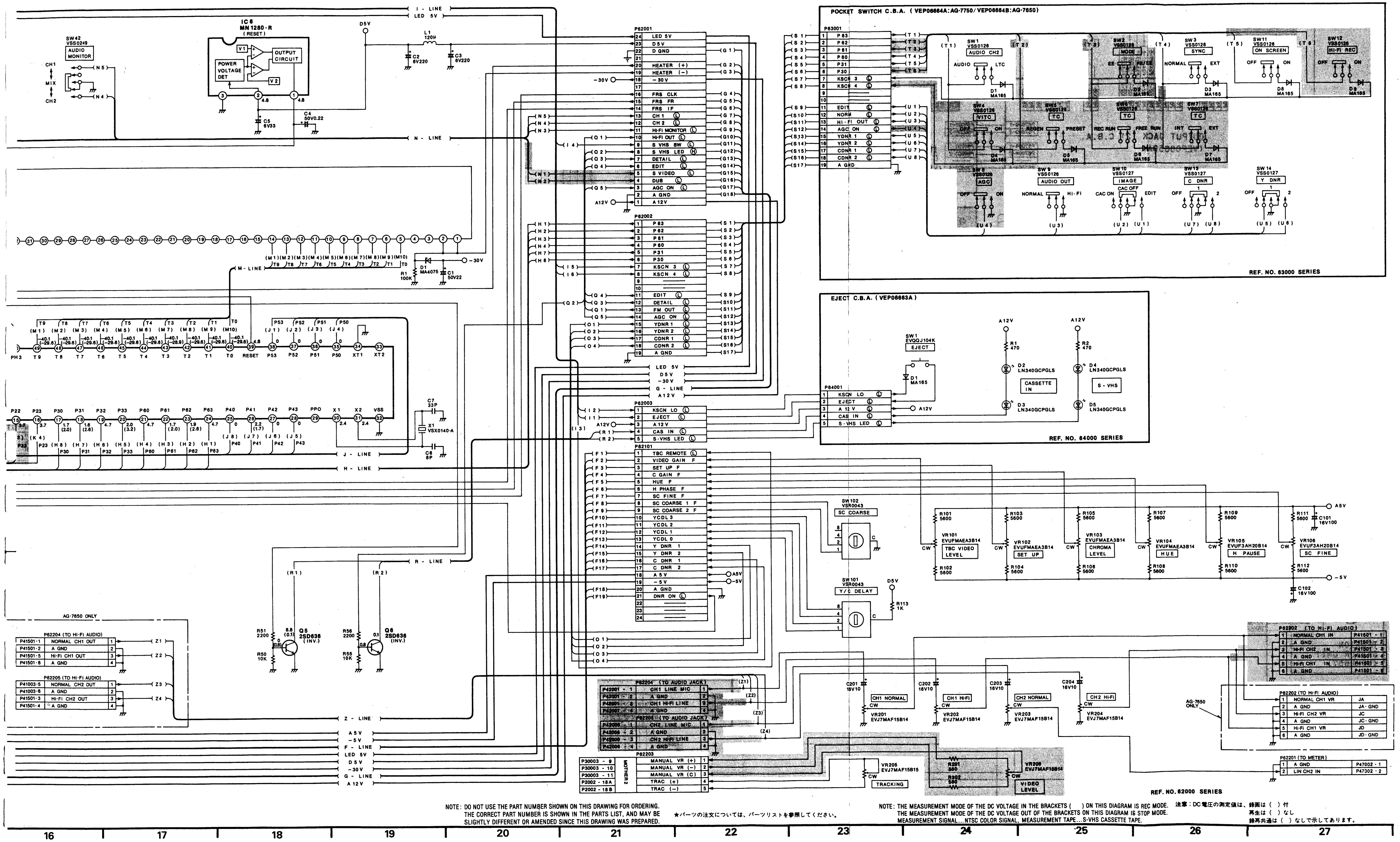
FRONT CONNECTION C.B.A. (VEP06694A)
REF. NO. 62000 SERIES
(TO TBC REMOTE)
P62505
MOTHER 1
HUE R
SET UP R
VIDEO GAIN R
C GAIN R
A GND
A 12 V
H PHASE R
SC FINE R
SC COARSE 2 R
SC COARSE 1 R
− 12 V
R502 4.7
R501 4.7
A5V
R503 47K
IC 501 MC14053BCP
IC 502 MC14053BCP
IC 503 MC14053BCP
E - LINE
B - LINE
C - LINE
D - LINE
P62504
TBC REMOTE Ⓛ
VIDEO GAIN F
SET UP F
C GAIN F
HUE F
H PHASE F
SC FINE F
SC COARSE 1 F
SC COARSE 2 F
YCDL 3
YCDL 2
YCDL 1
YCDL 0
Y DNR 1
Y DNR 2
C DNR 1
C DNR 2
A 5V
− 5V
A GND
DNR ON Ⓛ
P62503 (TO TBC(2))
MOTHER 2
VIDEO GAIN
SET UP
C GAIN
HUE
H PHASE
SC FINE
SC COARSE 1
SC COARSE 2
A 12V
− 12V
A GND
DNR ON Ⓛ
A 5V
− 5V
C504 0.1
C503 0.1
C501 6V1000
C502 6V1000
L501 VLQ0068
P62501
P62502
LED 5V
D5V
D GND
HEATER (+)
HEATER (−)
− 30V
FRS CLK
FRS FR
FRS IF
CH 1 Ⓛ
CH 2 Ⓛ
HI-FI MONITOR Ⓛ
HI-FI OUT Ⓛ
S VHS SW Ⓛ
S VHS LED Ⓗ
DETAIL Ⓛ
EDIT Ⓛ
S VIDEO Ⓛ
DUB Ⓛ
AGC ON Ⓛ
A GND
A 12V
IC 2 AN90B22 (INV.)
SW 1 VSP0213 PAUSE D11 MA165
SW 2 VSP0198 SEARCH D12 MA165
SW 3 VSP0194 REC D13 MA165
SW 4 VSP0193 PLAY D14 MA165
SW 5 VSP0239 FF D15 MA165
SW 6 VSP0225 REW D16 MA165
SW 7 VSP0195 STOP D17 MA165
SW 8 VSP0196 EDIT D18 MA165
SW 9 VSP0201 ASSY D19 MA165
SW 10 VSP0472 VIDEO D20 MA165
SW 11 VSP0196 CH2 D21 MA165
SW 12 VSP0196 CH1 D22 MA165
RESET SW13 EVQQJ104K D23 MA165
SW 14 VSP0199 READY D24 MA165
SW20 VSS0324:AG-7750 VSS0225:AG-7650 MEMORY STOP OFF CUT OUT D30 MA165 D31 MA165
SW 21 VSS0324 TC SELECT LTC AUTO VITC D32 MA165 D33 MA165
SW22 VSS0324 COUNTER CTL TC UB D34 MA165 D35 MA165
SW 23 VSS0152 TBC LOCAL BYPASS REMOTE D36 MA165
SW 24 VSS0321 S-VHS OFF ON D37 MA165
SW 25 VSS0250 MODE PLAY EDIT D38 MA165
SW 26 VSS0250 CONTROL LOCAL REMOTE D39 MA165
SW 27 VSS0225 DIAL MODE SEARCH MENU D41 MA165
D3–D8 MA167
L - LINE
LED 5V
IC 4 TA60 (SWITCHING)
IC 5 TA60 (SWITCHING)
R25 4700 R24 4700 R23 4700 R22 4700 R21 4700 R20 4700 R19 4700 R18 4700
R26 33 PAUSE
R27 33 SEARCH
R28 33 REC
R29 33 PLAY
R30 33 FF
R31 33 REW
R32 33 STOP
R33 33 EDIT
R34 33 ASSY
R35 33 VIDEO
R41 33 CH2
R42 33 CH1
R43 33 READY
R36 33 D50 LN31GCPHLG3 REV
R37 33 D51 LN31GCPHLG FWD
R38 22 D52 LN440YCPUVT JOG
R39 22 D53 LN440YCPUVT SHTL
Q1 2SB793 (INV.) R11 470
Q2 2SB793 (INV.) R13 470
Q3 2SB793 (INV.) R15 470
Q4 2SB793 (INV.) R17 470
RA1 EXBF5E103
RA2 EXBF5E103
RA4 EXBF5E472
R5 1K
D5V
P62004 (TO SEARCH DIAL)
D5V
STILL (H)
SHUTTLE (L)
DIAL 1
DIAL 2
D GND
A 5V
− 5V
F - LINE
LED 5V
D5V
− 30V
G - LINE
A12V
1 2 3 4 5 6 7 8 9 10 11 12
A B C D E F G


IC 1
μPD75208
(KEYBOARD MICROPROCESSOR)
IC3
μPC339C
(AMP)
IC6
MN1280-R
(RESET)
POWER VOLTAGE DET
OUTPUT CIRCUIT
FL 1
VSL 0223
SW 7
VSP0195
STOP
SW11
VSP0199
CH2
SW12
VSP0199
CH1
SW40
VSS0249
VIDEO INPUT
S-VIDEO
LINE
DUB
SW41
VSS0250
METER
HI-FI
NORMAL
SW42
VSS0249
AUDIO MONITOR
CH1
MIX
CH2
SW22
VSS0324
COUNTER
SW27
VSS0225
DIAL MODE
SEARCH
MENU
X1
VSX0140-A
Q5
2SD636
(INV.)
Q6
2SD636
(INV.)
RA1
EXBF5E103
RA3
EXBF5E103
RA4
EXBF5E472
P62004 (TO SEARCH DIAL)
D5V
STILL (H)
SHUTTLE (L)
DIAL 1
DIAL 2
D GND
AG-7650 ONLY
P62204 (TO Hi-Fi AUDIO)
P41501-1 NORMAL CH1 OUT
P41501-2 A GND
P41501-5 Hi-Fi CH1 OUT
P41501-6 A GND
P62205 (TO Hi-Fi AUDIO)
P41003-5 NORMAL CH2 OUT
P41003-6 A GND
P41501-3 Hi-Fi CH2 OUT
P41501-4 A GND
P62001
P62002
P62003
P62101
P62203
P30003 - 9
P30003 - 10
P30003 - 11
P2002 - 18A
P2002 - 18B
MOTHER 2
MANUAL VR (+)
MANUAL VR (−)
MANUAL VR (C)
TRAC (+)
TRAC (−)
POCKET SWITCH C.B.A. (VEP06664A:AG-7750/VEP
P83001
EJECT C.B.A. (VEP06663A)
SW1
EVQQJ104K
EJECT
P84001
KSCN LO
EJECT
A 12 V
CAS IN
S-VHS LED
SW102
VSR0043
SC COARSE
SW101
VSR0043
Y/C DELAY
VR101
EVUFMAEA3B14
TBC VIDEO LEVEL
VR201
EVJ7MAF15B14
CH1 NORMAL
VR202
EVJ7MAF15B14
CH1 Hi-Fi
VR205
EVJ7MAF15B15
TRACKING
L - LINE
LED 5V
I - LINE
J - LINE
K - LINE
H - LINE
M - LINE
N - LINE
R - LINE
Z - LINE
A5V
−5V
F - LINE
D5V
−30V
G - LINE
A12V
12
13
14
15
16
17
18
19
20
21
22
23
24

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

★パーツの注文については、パーツリストを参照してください。

NOTE: THE MEASUREMENT MODE OF THE
THE MEASUREMENT MODE OF THE
MEASUREMENT SIGNAL…NTSC COL


IC6
MN1280-R
(RESET)
POWER VOLTAGE DET
OUTPUT CIRCUIT
SW42 VSS0249 AUDIO MONITOR
CH1 MIX CH2
L1 120μ
C2 6V220
C3 6V220
C4 50V0.22
C5 6V33
D5V
-30V
I - LINE
LED 5V
N - LINE
M - LINE
J - LINE
H - LINE
R - LINE
Z - LINE
A5V
-5V
F - LINE
D5V
-30V
G - LINE
A12V
P62001
LED 5V
D5V
D GND
HEATER (+)
HEATER (−)
FRS CLK
FRS FR
FRS IF
CH1
CH2
HI-FI MONITOR
HI-FI OUT
S VHS SW
S VHS LED
DETAIL
EDIT
S VIDEO
DUB
AGC ON
A GND
A 12V
P62002
P63
P62
P61
P60
P31
P30
KSCN 3
KSCN 4
EDIT
DETAIL
FM OUT
AGC ON
YDNR 1
YDNR 2
CDNR 1
CDNR 2
A GND
P62003
KSCN LO
EJECT
A 12V
CAS IN
S-VHS LED
P62101
TBC REMOTE
VIDEO GAIN F
SET UP F
C GAIN F
HUE F
H PHASE F
SC FINE F
SC COARSE 1 F
SC COARSE 2 F
YCDL 3
YCDL 2
YCDL 1
YCDL 0
Y DNR 1
Y DNR 2
C DNR 1
C DNR 2
A 5V
A GND
−5V
DNR ON
D1 MA4075
C1 50V22
R1 100K
C7 33P
X1 VSX0140-A
C8 8P
Q5 2SD636 (INV.)
Q6 2SD636 (INV.)
R51 2200
R50 10K
R56 2200
R55 10K
AG-7650 ONLY
P62204 (TO HI-FI AUDIO)
NORMAL CH1 OUT
A GND
HI-FI CH1 OUT
P62205 (TO HI-FI AUDIO)
NORMAL CH2 OUT
HI-FI CH2 OUT
P62204 (TO AUDIO JACK)
CH1 LINE MIC
CH1 HI-FI LINE
P62205 (TO AUDIO JACK)
CH2 LINE MIC
CH2 HI-FI LINE
P62203
MOTHER 2
MANUAL VR (+)
MANUAL VR (−)
MANUAL VR (C)
TRAC (+)
TRAC (−)
POCKET SWITCH C.B.A. (VEP06664A:AG-7750/VEP06664B:AG-7650)
P63001
SW1 VSS0126 AUDIO CH2
SW2 VSS0126 MODE
SW3 VSS0126 SYNC
SW11 VSS0126 ON SCREEN
SW12 VSS0126 HI-FI REC
SW4 VSS0126 VITC
SW5 VSS0126 TC
SW6 VSS0126 TC
SW7 VSS0126 TC
SW8 VSS0126 AGC
SW9 VSS0126 AUDIO OUT
SW10 VSS0127 IMAGE
SW13 VSS0127 C DNR
SW14 VSS0127 Y DNR
AUDIO LTC
EE PB/EE
NORMAL EXT
OFF ON
REGEN PRESET
REC RUN FREE RUN
INT EXT
NORMAL HI-FI
CAC ON CAC OFF EDIT
D1 MA165
D2 MA165
D3 MA165
D4 MA165
D5 MA165
D6 MA165
D7 MA165
D8 MA165
D9 MA165
REF. NO. 63000 SERIES
EJECT C.B.A. (VEP06663A)
SW1 EVQQJ104K EJECT
D1 MA165
R1 470
R2 470
D2 LN340GCPGLS
D3 LN340GCPGLS
D4 LN340GCPGLS
D5 LN340GCPGLS
CASSETTE IN
S-VHS
P64001
REF. NO. 64000 SERIES
SW102 VSR0043 SC COARSE
SW101 VSR0043 Y/C DELAY
R113 1K
VR101 EVUFMAEA3B14 TBC VIDEO LEVEL
VR102 EVUFMAEA3B14 SET UP
VR103 EVUFMAEA3B14 CHROMA LEVEL
VR104 EVUFMAEA3B14 HUE
VR105 EVUF3AH20B14 H PAUSE
VR106 EVUF3AH20B14 SC FINE
R101 5600
R102 5600
R103 5600
R104 5600
R105 5600
R106 5600
R107 5600
R108 5600
R109 5600
R110 5600
R111 5600
R112 5600
C101 16V100
C102 16V100
C201 16V10
C202 16V10
C203 16V10
C204 16V10
VR201 EVJ7MAF15B14 CH1 NORMAL
VR202 EVJ7MAF15B14 CH1 HI-FI
VR203 EVJ7MAF15B14 CH2 NORMAL
VR204 EVJ7MAF15B14 CH2 HI-FI
VR205 EVJ7MAF15B15 TRACKING
VR206 EVJ7MAF15B14 VIDEO LEVEL
R201 560
R202 560
P62202 (TO HI-FI AUDIO)
NORMAL CH1 IN
HI-FI CH2 IN
HI-FI CH1 IN
NORMAL CH1 VR
HI-FI CH2 VR
HI-FI CH1 VR
AG-7650 ONLY
P62201 (TO METER)
LIN CH2 IN
REF. NO. 62000 SERIES
16
17
18
19
20
21
22
23
24
25
26
27

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
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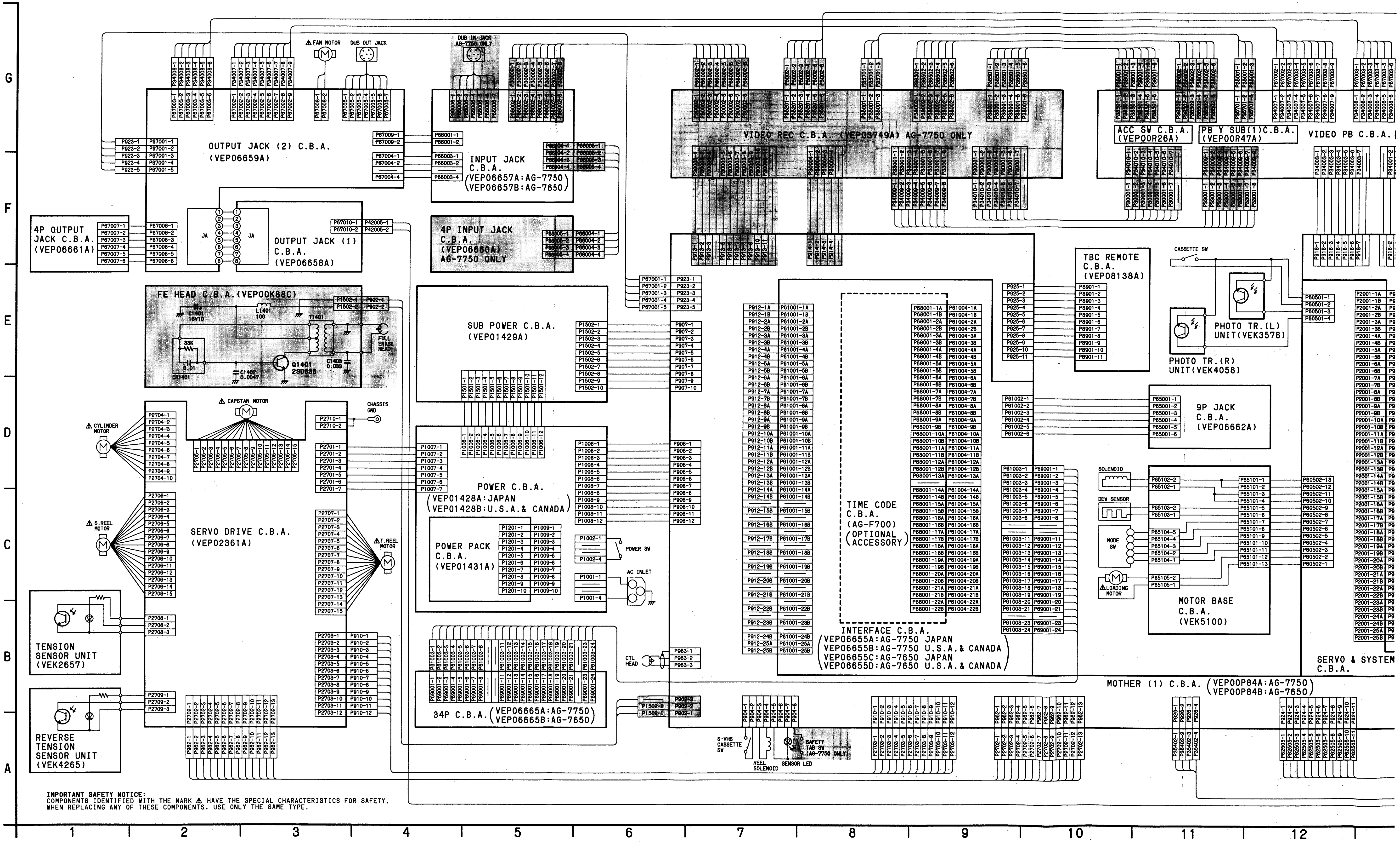
★パーツの注文については、パーツリストを参照してください。

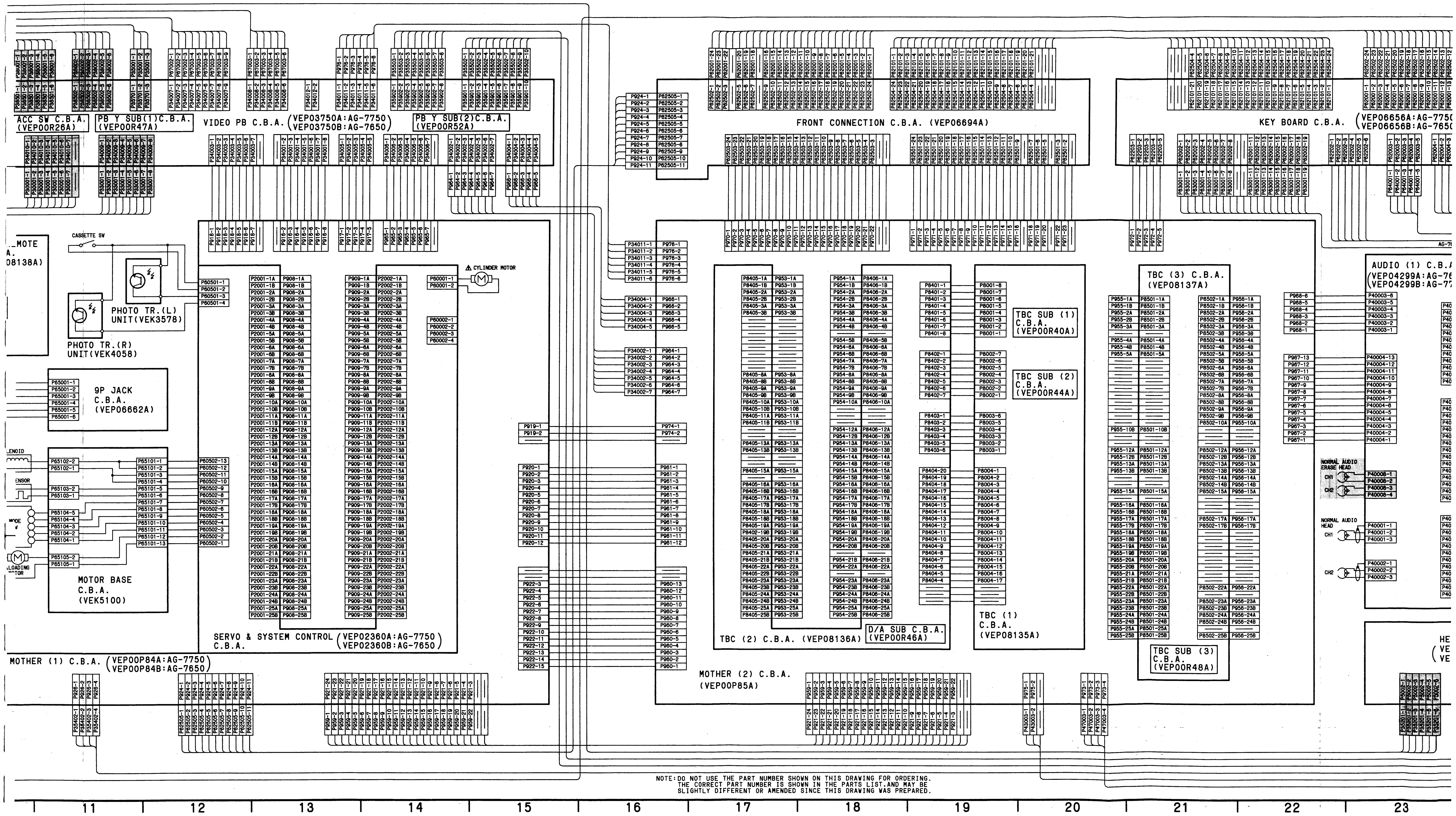
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS STOP MODE.
MEASUREMENT SIGNAL...NTSC COLOR SIGNAL, MEASUREMENT TAPE...S-VHS CASSETTE TAPE.

注意：DC電圧の測定値は、録画は（ ）付
再生は（ ）なし
録再共通は（ ）なしで示してあります。

INTERCONNECTION SCHEMATIC DIAGRAM


G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
⚠ FAN MOTOR
DUB OUT JACK
DUB IN JACK AG-7750 ONLY
OUTPUT JACK (2) C.B.A. (VEP06659A)
INPUT JACK C.B.A. (VEP06657A:AG-7750) (VEP06657B:AG-7650)
VIDEO REC C.B.A. (VEP08749A) AG-7750 ONLY
ACC SW C.B.A. (VEP00R26A)
PB Y SUB(1)C.B.A. (VEP00R47A)
VIDEO PB C.B.A.
4P OUTPUT JACK C.B.A. (VEP06661A)
OUTPUT JACK (1) C.B.A. (VEP06658A)
JA
4P INPUT JACK C.B.A. (VEP06660A) AG-7750 ONLY
FE HEAD C.B.A.(VEP00K88C)
C1401 16V10
L1401 100
T1401
33K
0.01
CR1401
C1402 0.0047
Q1401 2SD636
C1403 0.033
FULL ERASE HEAD
SUB POWER C.B.A. (VEP01429A)
TBC REMOTE C.B.A. (VEP08138A)
CASSETTE SW
PHOTO TR.(L) UNIT(VEK3578)
PHOTO TR.(R) UNIT(VEK4058)
9P JACK C.B.A. (VEP06662A)
⚠ CYLINDER MOTOR
⚠ CAPSTAN MOTOR
CHASSIS GND
SERVO DRIVE C.B.A. (VEP02361A)
POWER C.B.A. (VEP01428A:JAPAN VEP01428B:U.S.A.& CANADA)
POWER PACK C.B.A. (VEP01431A)
POWER SW
AC INLET
⚠ S.REEL MOTOR
⚠ T.REEL MOTOR
TIME CODE C.B.A. (AG-F700) (OPTIONAL ACCESSORY)
INTERFACE C.B.A. (VEP06655A:AG-7750 JAPAN VEP06655B:AG-7750 U.S.A.& CANADA VEP06655C:AG-7650 JAPAN VEP06655D:AG-7650 U.S.A.& CANADA)
SOLENOID
DEW SENSOR
MODE SW
⚠ LOADING MOTOR
MOTOR BASE C.B.A. (VEK5100)
SERVO & SYSTEM C.B.A.
TENSION SENSOR UNIT (VEK2657)
REVERSE TENSION SENSOR UNIT (VEK4265)
34P C.B.A. (VEP06665A:AG-7750 VEP06665B:AG-7650)
CTL HEAD
S-VHS CASSETTE SW
REEL SOLENOID
SENSOR LED
SAFETY TAB SW (AG-7750 ONLY)
MOTHER (1) C.B.A. (VEP00P84A:AG-7750 VEP00P84B:AG-7650)

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.


ACC SW C.B.A. (VEP00R26A)
PB Y SUB(1)C.B.A. (VEP00R47A)
VIDEO PB C.B.A. (VEP03750A:AG-7750 VEP03750B:AG-7650)
PB Y SUB(2)C.B.A. (VEP00R52A)
FRONT CONNECTION C.B.A. (VEP06694A)
KEY BOARD C.B.A. (VEP06656A:AG-775 VEP06656B:AG-765
CASSETTE SW
PHOTO TR.(L) UNIT(VEK3578)
PHOTO TR.(R) UNIT(VEK4058)
9P JACK C.B.A. (VEP06662A)
MOTOR BASE C.B.A. (VEK5100)
LOADING MOTOR
CYLINDER MOTOR
SERVO & SYSTEM CONTROL C.B.A. (VEP02360A:AG-7750 VEP02360B:AG-7650)
MOTHER (1) C.B.A. (VEP00P84A:AG-7750 VEP00P84B:AG-7650)
TBC SUB (1) C.B.A. (VEP00R40A)
TBC SUB (2) C.B.A. (VEP00R44A)
TBC (2) C.B.A. (VEP08136A)
D/A SUB C.B.A. (VEP00R46A)
TBC (1) C.B.A. (VEP08135A)
TBC (3) C.B.A. (VEP08137A)
TBC SUB (3) C.B.A. (VEP00R48A)
MOTHER (2) C.B.A. (VEP00P85A)
AUDIO (1) C.B.A (VEP04299A:AG-7 VEP04299B:AG-7
NORMAL AUDIO ERASE HEAD
CH1
CH2
NORMAL AUDIO HEAD
11
12
13
14
15
16
17
18
19
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21
22
23

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
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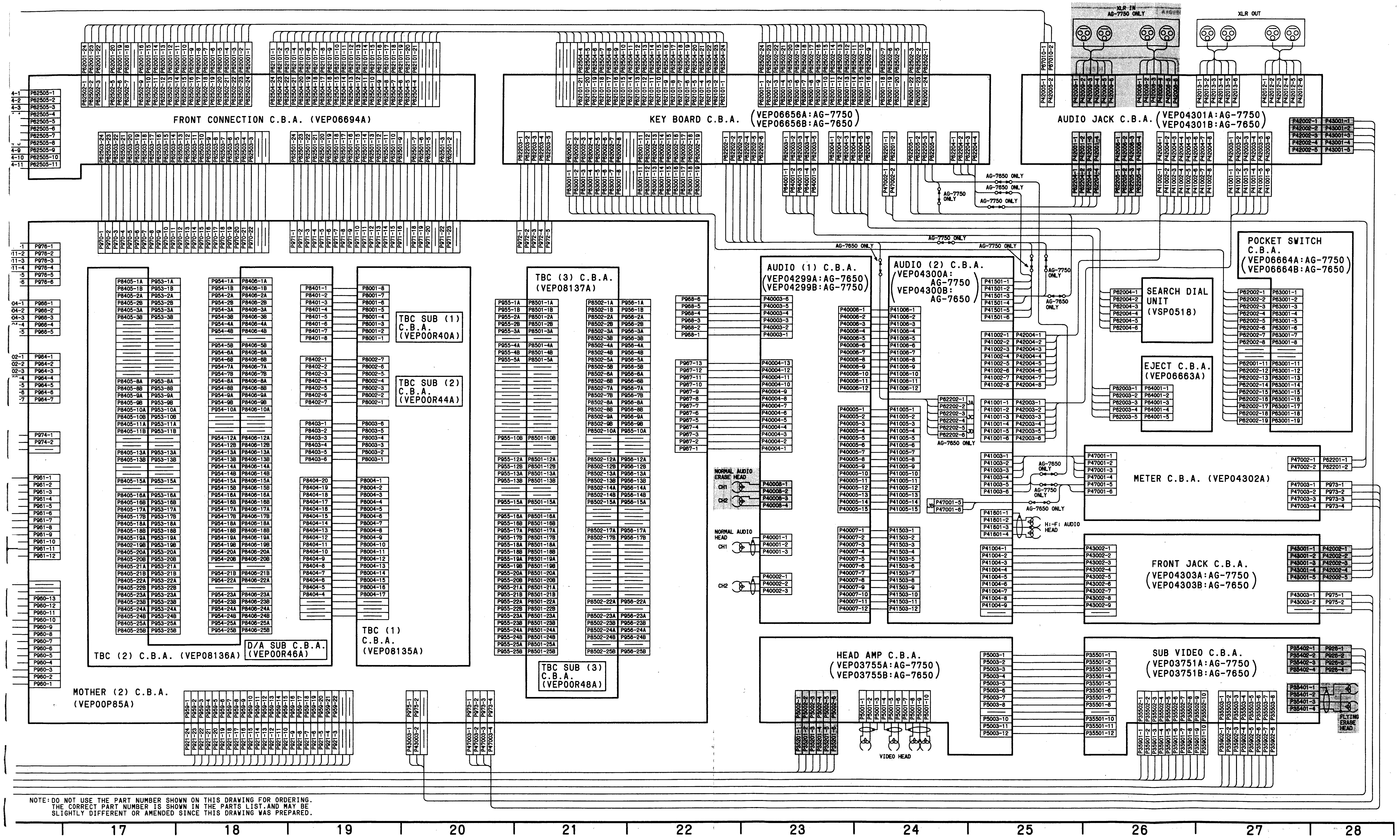
XLR IN
AG-7750 ONLY
XLR OUT
FRONT CONNECTION C.B.A. (VEP06694A)
KEY BOARD C.B.A. (VEP06656A:AG-7750
VEP06656B:AG-7650)
AUDIO JACK C.B.A. (VEP04301A:AG-7750
VEP04301B:AG-7650)
AG-7650 ONLY
AG-7750 ONLY
POCKET SWITCH
C.B.A.
(VEP06664A:AG-7750
VEP06664B:AG-7650)
AUDIO (1) C.B.A.
(VEP04299A:AG-7650
VEP04299B:AG-7750)
AUDIO (2) C.B.A.
(VEP04300A:
AG-7750
VEP04300B:
AG-7650)
SEARCH DIAL
UNIT
(VSP0518)
EJECT C.B.A.
(VEP06663A)
TBC SUB (1)
C.B.A.
(VEP00R40A)
TBC SUB (2)
C.B.A.
(VEP00R44A)
TBC (3) C.B.A.
(VEP08137A)
TBC (2) C.B.A. (VEP08136A)
D/A SUB C.B.A.
(VEP00R46A)
TBC (1)
C.B.A.
(VEP08135A)
TBC SUB (3)
C.B.A.
(VEP00R48A)
MOTHER (2) C.B.A.
(VEP00P85A)
NORMAL AUDIO
ERASE HEAD
CH1
CH2
NORMAL AUDIO
HEAD
CH1
CH2
Hi-Fi AUDIO
HEAD
METER C.B.A. (VEP04302A)
FRONT JACK C.B.A.
(VEP04303A:AG-7750
VEP04303B:AG-7650)
HEAD AMP C.B.A.
(VEP03755A:AG-7750
VEP03755B:AG-7650)
VIDEO HEAD
SUB VIDEO C.B.A.
(VEP03751A:AG-7750
VEP03751B:AG-7650)
FLYING
ERASE
HEAD
17
18
19
20
21
22
23
24
25
26
27
28

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
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Section 9

EXPLODED VIEWS
AND
REPLACEMENT PARTS LISTS

CONTENTS

SERVICING FIXTURES & TOOLS LIST 9-2

EXPLODED VIEWS 9-3

1. Chassis Parts Section 9-3
2. Moving Mechanism Section 9-5
3. Cassette Compertment Section 9-7
4. Chassis Frame Section- (1) 9-9
5. Chassis Frame Section- (2) 9-10
6. Casing Parts Section 9-12
7. Packing Parts Section 9-13

MECHANICAL REPLACEMENT PARTS LIST 9-4

1. Chassis Parts Section 9-4
2. Moving Mechanism Section 9-6
3. Cassette Compertment Section 9-8
4. Chassis Frame Section- (1) 9-8
5. Chassis Frame Section- (2) 9-11
6. Casing Parts Section 9-11
7. Packing Parts Section 9-14

ELECTRICAL REPLACEMENT PARTS LIST 9-15

AG-7750 9-15
AG-7650 9-62

Notes:

1. •Be sure to make your orders of replacement parts according to this list.
   •"<R>" in Remark column indicates recommended parts.
   •"<M>" in Remark column indicates needed in the periodical maintenance.
2. IMPORTANT SAFETY NOTICE
   Components identified by "!" have special characteristics important for safety. When replacing any of these components, use only the original ones.
   Meaning of symbol "!" on this parts list is exactly the same as symbol ⚠ on Schematic and Circuit Board Diagrams.
3. Unless otherwise specified;
   All resistors are in OHMS (Ω), K=1,000Ω, M=1,000kΩ.
4. ITEM NUMBERS WITH CAPITAL LETER E
   Item numbers with capital leter E (Example:E1,E2,...) in Ref.No. column mean that the parts are listed with the E item numbers in the exploded views.
5. The main assembled parts are shown below C.B.A. marked with "■"
6. When ordering parts, use parts No. only from Part No. column.
7. Printed circuit board assembly with mark (NLA) is no longer available after discontinuation of the product.

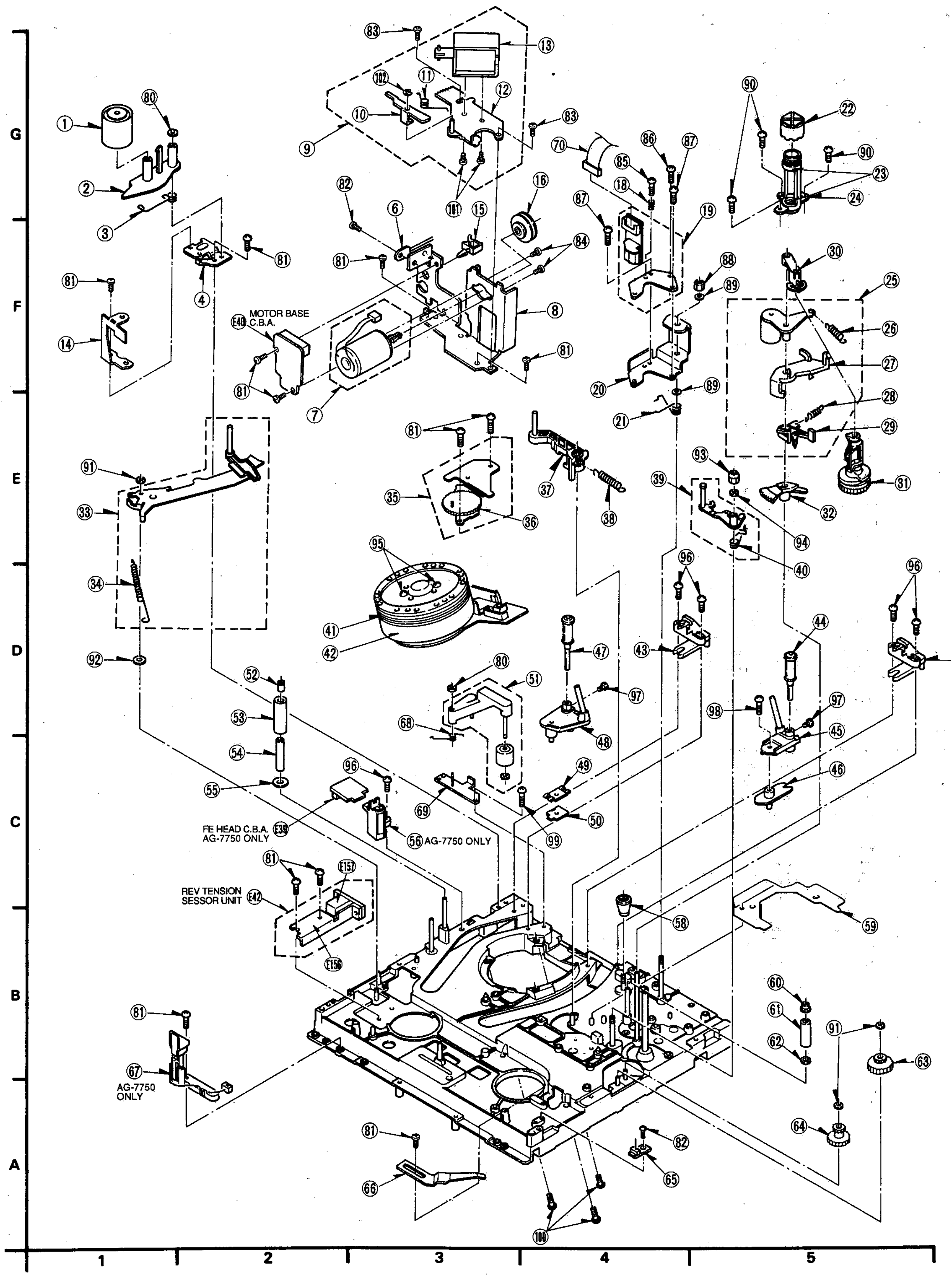
NOTE: exploded views are based on AG-7750.

SERVICING FIXTURES & TOOLS LIST

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VFM8080HQFP	VHS ALIGNMENT TAPE	1	
		VFK0329	POST ADJ. SCREWDRIVER	1	
		VFK0132	BACK TENSION METER	1	(T2-H7-UM)
			(TENTELOMETER,		
			MADE IN U.S.A.)		
		VFK0191	POST ADJ. PLATE	1	
		VFK0133	DIAL TORQUE GAUGE	1	
		VFK0180	PLASTIC CLAMPER ONLY	1	
		VFK0134	ADAPTOR FOR VFK0133	1	
		VFK0190	REEL TABLE HEIGHT GAUGE	1	
		VFK0236	TENSION POST ADJ. FIXTURE	1	
		VFK0578	TENSION SENSOR ADJ. FIXTURE	1	
		VFK0328	H-POSITION ADJ. SCREWDRIVER	1	
		VFK0330	FINE ADJ. SCREWDRIVER	1	
			(3mm PHI)		
		VFK0335	RETAINING RING REMOVER	1	
			(3mm/4mm)		
		VFK0326	HEX.WRENCH SET	1	
		VFK0343	CHECK LIGHT	1	
		MOR265	MOLYTONE GREASE	1	
		VFK27	HEAD CLEANING STICK	1	
		VFK0344	POST HEIGHT ADJ. FIXTURE	1	
		VFK0269	L TYPE SCREWDRIVER	1	
		VFK66	FAN TYPE TENSION GAUGE	1	
		VFK0646	EXTENDER BOARD	1	

EXPLODED VIEWS

❶ *Chassis Parts Section*

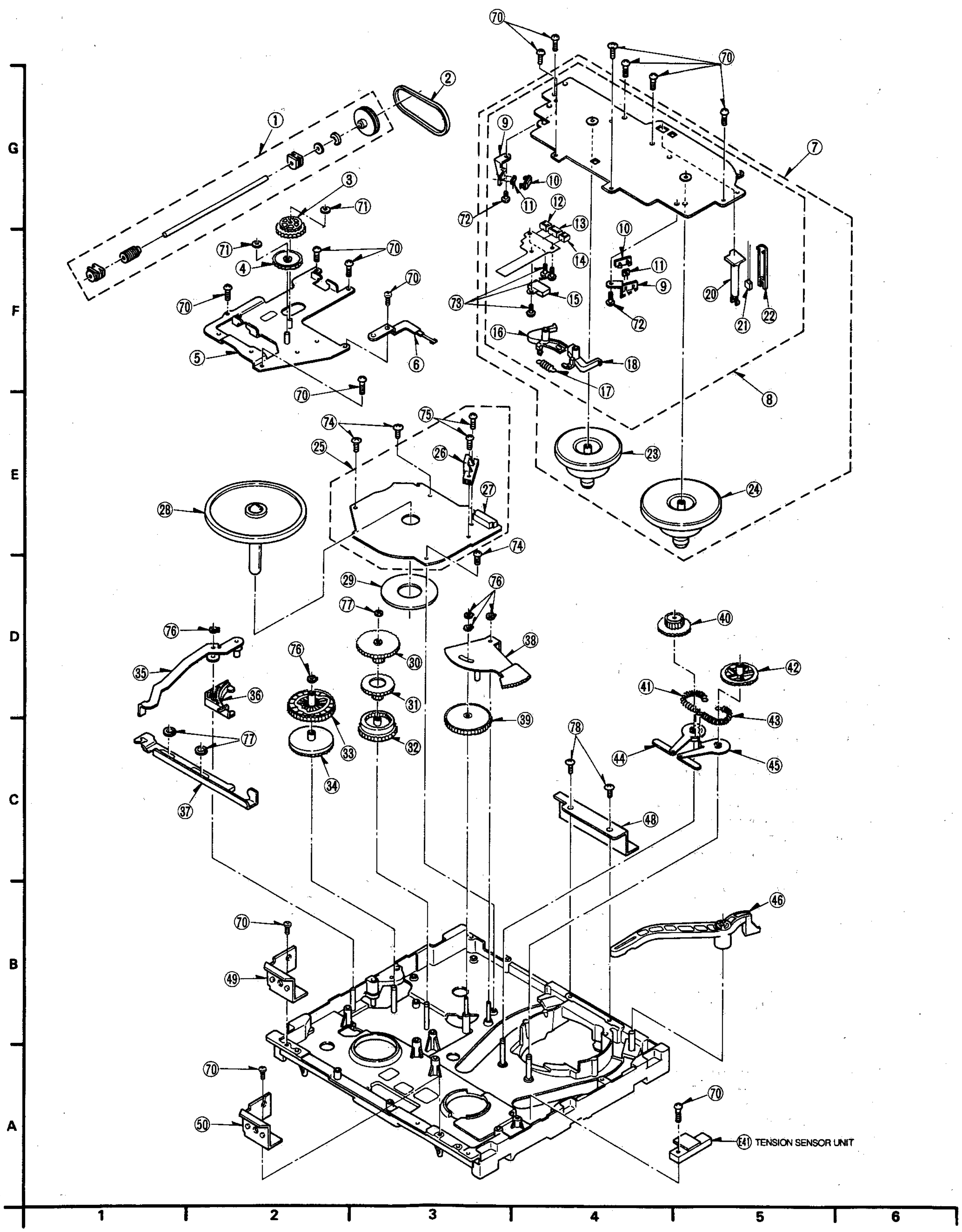


MECHANICAL REPLACEMENT PARTS LIST

1. Chassis Parts Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
1-1		VXP1075	IMPEDANCE ROLLER UNIT	1	
1-2		VML2293	IMPEDANCE ROLLER ARM	1	
1-3		VMB1976	IMPEDANCE SPRING	1	
1-4		VMA8293	HEAD AMP ANGLE	1	
1-6		VEK3185	HUMIDITY RESISTOR UNIT	1	<R>
1-7		VEM0360	LOADING MOTOR UNIT	1	<M><R>
1-8		VMA8290	MOTOR BASE	1	
1-9		VXA3657	SOLENOID BASE UNIT	1	<R>
1-10		VML2299	CAM LEVER	1	
1-11		VMB1979	CAM LEVER SPRING	1	
1-12		VXA3658	SOLENOID BASE (1) UNIT	1	
1-13		VSJ0092	PINCTH SOLENOID	1	
1-14		VMA8130	IMPEDANS ROLLER SUPPORT	1	
			ANGLE		
1-15		VJF0013	MINI CLAMPER	1	
1-16		VDP1319	MOTOR PULLEY	1	
1-18		VMB1251	ADJUST SPRING	1	
1-19		VED0145	A/C HEAD (1) UNIT	1	FOR AG-7750-P/K
					<M><R>
1-19		VED0116	A/C HEAD (1) UNIT	1	FOR AG-7650-P/K
					<M><R>
1-20		VXA3649	A/C HEAD BASE UNIT	1	
1-21		VMB1567	A/C HEIGHT SPRING	1	
1-22		VXQ0094	THRUST SCREW UNIT	1	
1-23		VMX1567	OIL SEAL	2	
1-24		VXD0120	HOUSING UNIT	1	
1-25		VXL1892	PRESSURE ROLLER UNIT	1	<M><R>
1-26		VMB1977	PINCH PRESSURE SPRING	1	
1-27		VXL1893	PINCH PRESSURE ARM	1	
1-28		VMB1569	PINCH ARM SPRING	1	
1-29		VML1874	PINCH LIFT ARM	1	
1-30		VMX1353	PINCH CAM ARM	1	
1-31		VDG0577	PINCH CAM	1	
1-32		VDG0651	PULL OUT SECTOR GEAR	1	
1-33		VXL2089	TENSION ARM UNIT	1	
1-34		VMB1975	TENSION SPRING	1	
1-35		VEK4171	MECHANISM CONNECTION UNIT	1	
1-36		VSS0257	MODE SWITCH	1	<M><R>
1-37		VXL1857	SUB LOADING ARM (1) UNIT	1	
1-38		VMB1566	SUB POST SPRING	1	
1-39		VXL2074	P5 UNIT	1	
1-40		VMB1554	P5 SPRING	1	
1-41		VEH0490	UPPER CYLINDER UNIT	1	<M><R>
1-42		VEG0828	LOWER CYLINDER UNIT	1	<M><R>
1-43		VMD0910	POST STOPPER	2	
1-44		VXP1105	ROLLER POST (T) UNIT	1	
1-45		VXA3213	INCLINED BASE (T) (1) UNIT	1	
1-46		VXA2687	INCLINED ADJUSTMENT PLATE U	1	
1-47		VXP1095	ROLLER POST (S) UNIT	1	
1-48		VXA3249	INCLINED BASE (S) (2) UNIT	1	
1-49		VMA7029	HOLDER PLATE (S)	1	
1-50		VMA7660	PLATE	1	
1-51		VXL1979	HEAD CLEANING UNIT	1	<M><R>
1-52		VMX1088	UPPER LIMITER	1	
1-53		VDP1533	SUPPLY ROLLER	1	
1-54		VMX1581	P1 COLIAR	1	
1-55		VMX1533	LOWER LIMITER	1	
1-56		VBS0038	FE HEAD	1	AG-7750-P/KM ONLY
					<M><R>
1-58		VHN0110	ADJUST NUT	1	
1-59		VXA3758	SHIELD PLATE UNIT	1	
1-60		VMX1544	P4 UPPER LIMITER	1	
1-61		VMX1568	P4 SLEEVE	1	
1-62		VMX1534	P4 LOWER LIMITER	1	
1-63		VDG0664	CONNECTION GEAR	1	
1-64		VDG0483	PINCH SPEED DOWN GEAR	1	
1-65		VES0503	S-VHS CASSETTE DETECT SW	1	<R>
1-66		VMC0641	EARTH PLATE	1	
1-67		VES0504	SAFETY SWITCH	1	FOR AG-7750-P/K ONLY
1-68		VMB1996	CLEANING SPRING	1	
1-69		VXA3980	HEAD CLEANING PLATE UNIT	1	
1-80		VMX1079	CUT WASHER	2	
1-81		XTV26+6F	SCREW	12	
1-82		XTV2+4F	SCREW	2	
1-83		XYN26+F5FZ	SCREW	2	
1-84		XSN3+3.5	SCREW	2	
1-85		VHD0322	SCREW	1	
1-86		VHD0089B	SCREW	1	
1-87		XSN3D6FZ	SCREW	2	
1-88		VHN0063	M4 NYLON NUT	1	
1-89		XWE4	M4 NYLON WASHER	2	
1-90		XTT26+7FFZ	SCREW	3	
1-91		VMX0653	CUT WASHER	3	
1-92		XWGV3D6G	POLLY SLIDER WASHER	1	
1-93		VHN0023	M3 NYLON NUT	1	
1-94		XWE3VW	M3 WASHER	1	
1-95		VHD0425	SCREW	2	
1-96		XTV26+10F	SCREW	5	
1-97		VHD0133	SCREW	2	
1-98		XYN26+F6FZ	SCREW	1	
1-99		XTN3+6FFC	SCREW	1	
1-100		VHD0342	SCREW	3	
1-101		XYN26+C4	SCREW	2	
1-102		XCU25FP	E RING	1	

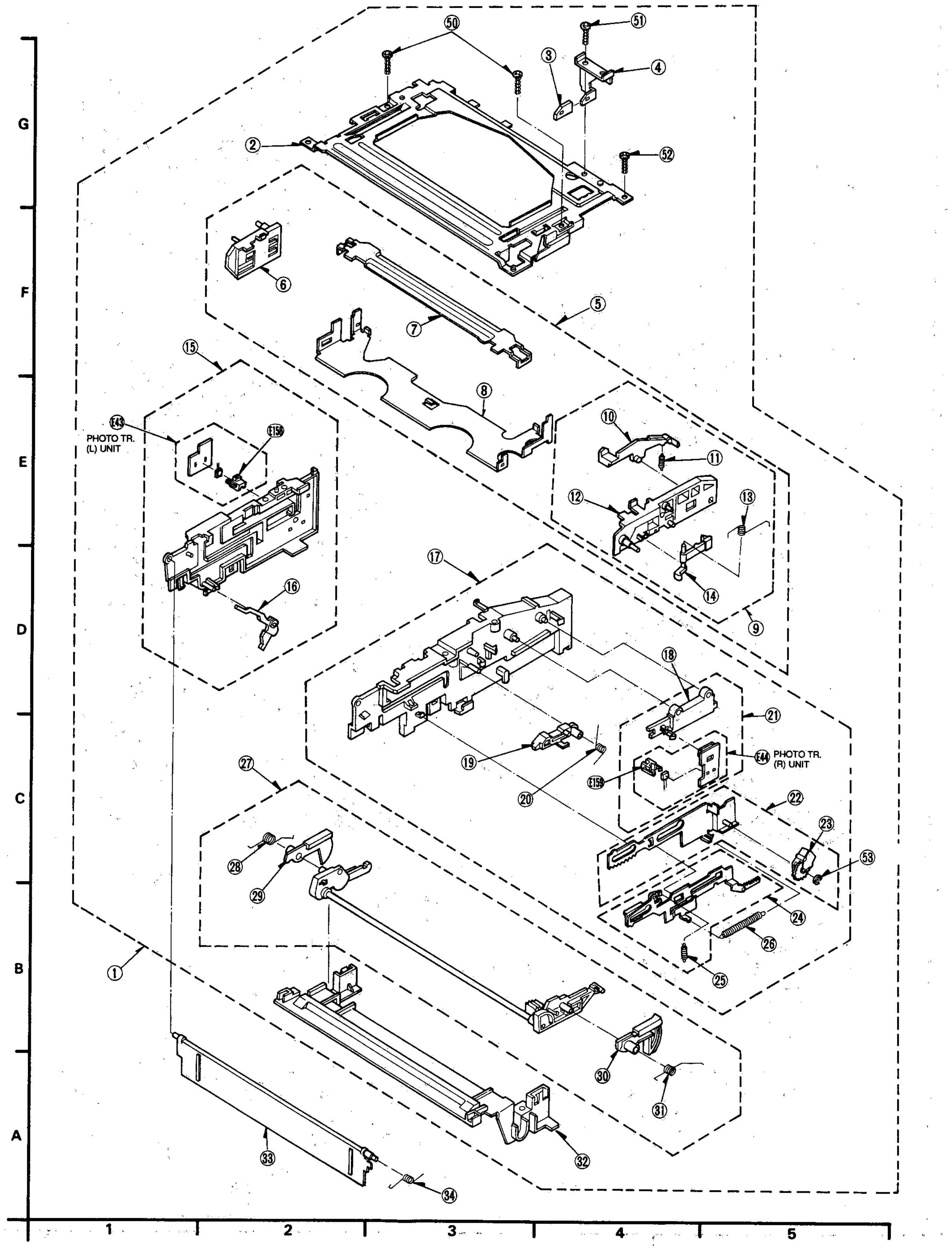
❷ Moving Mechanism Section



2. Moving Mechanism Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
2-1		VXP1082	WORM SHAFT UNIT	1	
2-2		VDV0228	LOADING BELT	1	<M><R>
2-3		VDG0581	WORM WHEEL	1	
2-4		VDG0582	INTERMEDIATE GEAR	1	
2-5		VXA3646	GEAR BASE (1) UNIT	1	
2-6		VXS0098	EARTH SPRING	1	
2-7		VEM0326	REEL MOTOR UNIT	1	<M><R>
2-8		VXA3647	STATOR BASE UNIT	1	
2-9		VMD0611	FG SUPPORT (1)	2	
2-10		VMD0621	FG SUPPORT (2)	2	
2-11		HW-300B	HOLE IC	2	<R>
2-12		VJP1229R	CONNECTOR (2P)	1	
2-13		VJP1235T	CONNECTOR (8P)	1	
2-14		VJP1229T	CONNECTOR (2P)	1	
2-15		VSJ0066	SOLENOID	1	
2-16		VXZ0270	MAIN BRAKE (S) UNIT	1	<M><R>
2-17		VMB1978	BRAKE SPRING	1	
2-18		VXZ0271	MAIN BLAKE (T) UNIT	1	<M><R>
2-20		VMX1565	LED HOLDER (A)	1	
2-21		GL450	LED	1	<R>
2-22		VMX0683	LED HOLDER (L)	1	
2-23		VXR0187	TAKEUP REEL TABLE UNIT	1	<R>
2-24		VXR0186	SUPPLY REEL TABLE UNIT	1	<R>
2-25		VEK4166	STATOR UNIT	1	
2-26		VBK0054	MR HEAD	1	<R>
2-27		VJP1902	CONNECTOR	1	
2-28		VXP1080	ROTOR UNIT	1	
2-29		VMA6847	SUB PLATE	1	
2-30		VDG0580	CENTER GEAR	1	
2-31		VXP0878	RETANER GEAR UNIT	1	
2-32		VDG0342	RING GEAR	1	
2-33		VDG0578	MAIN CAM GEAR	1	
2-34		VDG0343	SUB CAM GEAR	1	
2-35		VXL1895	CAM FOLLOWER ARM UNIT	1	
2-36		VML1861	DETENT ARM	1	
2-37		VMM0218	MAIN ROD	1	
2-38		VXA3144	SECTOR GEAR UNIT	1	
2-39		VDG0579	LOADING CAM GEAR	1	
2-40		VDG0420	LOADING GEAR (T)	1	
2-41		VMB1555	LOADING SPRING (T)	1	
2-42		VDG0593	LOADING GEAR (S)	1	
2-43		VMB1746	LOADING SPRING (S)	1	
2-44		VXL1489	LOADING ARM (T) (1) UNIT	1	
2-45		VXL1487	LOADING ARM (S) (1) UNIT	1	
2-46		VML2304	CLEANING ROD	1	
2-48		VMA8003	MOUNT PLATE (B)	1	
2-49		VMP2847	MOUNT PLATE (R)	1	
2-50		VMP2848	MOUNT PLATE (L)	1	
2-70		XTV26+6F	SCREW	14	
2-71		VMX0653	CUT WASHER	2	
2-72		XYN2+F5	SCREW	2	
2-73		XSN26+4	SCREW	3	
2-74		XYEV0004	SCREW	3	
2-75		XYNV0015	SCREW	2	
2-76		XUEV3VW	WASHER	5	
2-77		VMX1079	CUT WASHER	3	
2-78		XTV3+8F	SCREW	2	

❸ Cassette Compartment Section



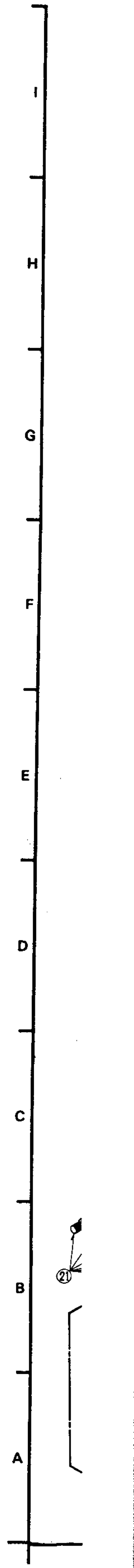
3. Cassette Compartment Section

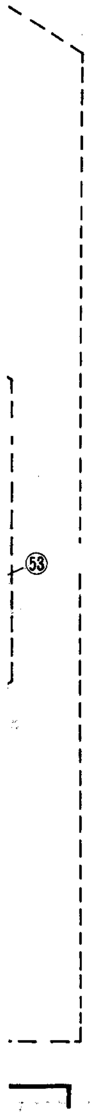
Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
3-1		VXA3975	CASSETTE COMPERTMENT UNIT	1	<R>
3-2		VMA8166	TOP PLATE	1	
3-3		VMD1384	CASSETTE HOLDER CAP	1	
3-4		VMA7992	CASSETTE HOLDER ANGLE	1	
3-5		VXA3690	CASSETTE HOLDER UNIT	1	
3-6		VMD1387	HOLDER GUIDE	1	
3-7		VXA3691	HOLDER ANGLE UNIT	1	
3-8		VMA7989	CASSETTE HOLDER	1	
3-9		VMA3692	HOLDER GUIDE (R) UNIT	1	
3-10		VML1882	DOOR OPEN LEVER	1	
3-11		VMB1584	DOOR OPEN LEVER SPRING	1	
3-12		VMD1386	HOLDER GUIDE (R)	1	
3-13		VMB2063	RELEASE SPRING	1	
3-14		VML2306	RELEASE LEVER	1	
3-15		VXA3694	SIDE PLATE (L) UNIT	1	
3-16		VML2305	OPENER LEVER	1	
3-17		VXA3693	SIDE PLATE (R) UNIT	1	
3-18		VSS0258	SLIDE SWITCH	1	<R>
3-19		VML2288	DOWN SUPPORT LEVER	1	
3-20		VMB1961	DOWN SUPPORT SPRING	1	
3-21		VXA3498	SLIDE SWITCH UNIT	1	
3-22		VXA3696	MAIN RACK UNIT	1	
3-23		VDG0214	DAMPER	1	
3-24		VXA3697	SUB RACK UNIT	1	
3-25		VMB1780	RACK C SPRING	1	
3-26		VMB1997	CLUTCH SPRING	1	
3-27		VXP1089	MAIN SHAFT UNIT	1	
3-28		VMB1999	SUB WIPER SPRING (L)	1	
3-29		VML1878	SUB WIPER ARM (L)	1	
3-30		VML1879	SUB WIPER ARM (R)	1	
3-31		VMB1998	SUB WIPER SPRING (R)	1	
3-32		VMA7988	CASSETTE GUIDE	1	
3-33		VKF1273	BLINDER PANEL	1	<R>
3-34		VMB1258	BLINDER SPRING	1	
3-50		XTV26+8G	SCREW	2	
3-51		XTV26+6F	SCREW	1	
3-52		XTV3+8G	SCREW	1	
3-53		XUC25FP	ERING	1	

4. Chassis Frame Section-(1)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
4-1		VGM0702	SIDE PLATE (L)	1	<R>
4-2		VGM0700	TOP PLATE	1	<R>
4-3		VMX1789	SPACER	1	
4-4		VMX0871	SPACER	1	
4-5		VGM0701	SIDE PLATE (R)	1	<R>
4-6		VSW0031	POWER SWITCH	1	<!><R>
4-7		VGT0341	VR KNOB	1	<R>
4-8		VMZ1777	SHIELD PLATE	1	
4-9		VMP2871	FRAME ANGLE	2	
4-10		VYP3275	FRONT PANEL (1) UNIT	1	<R> FOR AG-7750-P/K
4-10		VYP3519	FRONT PANEL (1) UNIT	1	<R> FOR AG-7650-P/K
4-11		VMP2856	FRONT ANGLE (A)	1	
4-12		VMP2854	SWITCH GUIDE (B)	1	
4-13		VMP2853	SWITCH GUIDE (A)	1	
4-14		VMP2855	SWITCH GUIDE (C)	1	
4-15		VGU5287	SLIDE KNOB	11	<R>
4-16		VGK1511	CASSETTE GUARD	2	
4-17		VGF0206	GUARD SPACER	2	FOR AG-7750-P/K ONLY
4-18		VGK1595	GUARD SPACER	6	
4-19		VGK1512	GUARD SPACER	5	
4-20		VKW1358	OPERATION PLATE (A)	1	FOR AG-7750-P/K
4-20		VKW1444	OPERATION PLATE (A)	1	FOR AG-7650-P/K
4-21		VGU5285	VR KNOB	6	<R>
4-22		VSP0518	SEARCH DIAL UNIT	1	<R>
4-23		VMG0409	RUBBER CAP	1	<R>
4-24		VGU3970	SEARCH KNOB	1	<R>
4-25		VGU3465	SLIDE KNOB	14	<R>
4-26		VMB1493	EJECT SPRING	1	
4-27		VMT0157	RUBBER CUSHION	3	
4-28		VKF1664	CIRCUIT BOARD HOLDER	1	
4-29		VMP2065	POCKET SWITCH ANGLE	1	
4-30		VKF1551	POCKET SWITCH PANEL	1	<R>
4-31		VGH2496	POCKET SWITCH PLATE	1	<R> FOR AG-7750-P/K
4-31		VGH2638	POCKET SWITCH PLATE	1	<R> FOR AG-7650-P/K
4-32		VGU2944	EJECTOR SWITCH	1	<R>
4-50		VHD0426	SCREW	8	
4-51		VHD0222	SCREW	2	
4-52		XWC4BFY	WASHER	2	
4-53		XTV3+8FR	SCREW	4	
4-54		XTV3+6F	SCREW	3	
4-55		XTN3+8F	SCREW	2	
4-56		XTV4+10JR	SCREW	13	
4-57		XTS3+8FR	SCREW	5	
4-58		XTV3+10JR	SCREW	10	
4-59		XTV3+8J	SCREW	11	
4-60		XSS3+6FC	SCREW	1	
4-61		XTV3+10J	SCREW	4	
4-62		XSN3+6FCS	SCREW	1	

❹





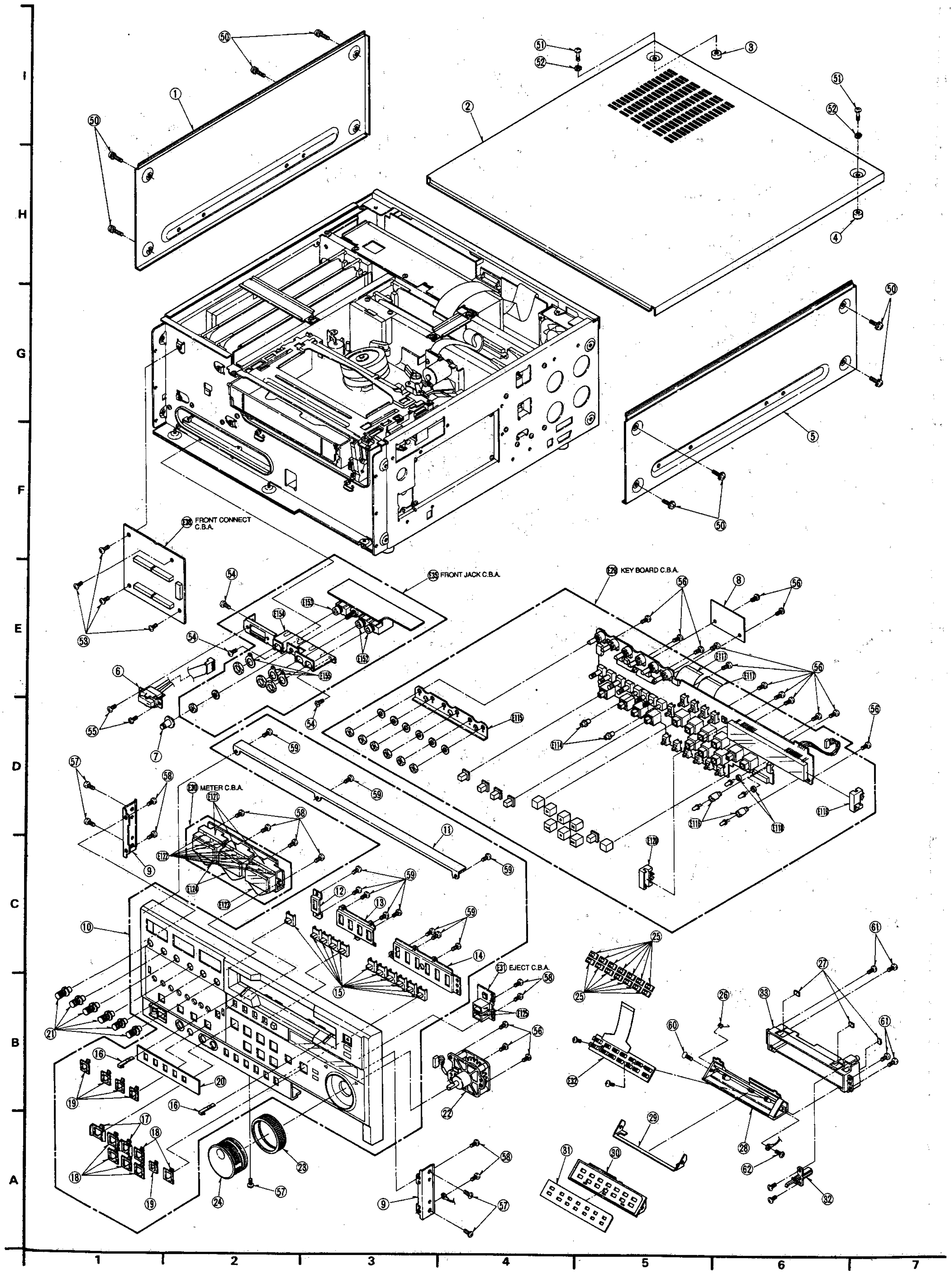
3. Cassette Compartment Section

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
3-1	VXA3975	CASSETTE COMPERTMENT UNIT	1	<R>
3-2	VMA8166	TOP PLATE	1	
3-3	VMD1384	CASSETTE HOLDER CAP	1	
3-4	VMA7992	CASSETTE HOLDER ANGLE	1	
3-5	VXA3690	CASSETTE HOLDER UNIT	1	
3-6	VMD1387	HOLDER GUIDE	1	
3-7	VXA3691	HOLDER ANGLE UNIT	1	
3-8	VMA7989	CASSETTE HOLDER	1	
3-9	VMA3692	HOLDER GUIDE (R) UNIT	1	
3-10	VML1882	DOOR OPEN LEVER	1	
3-11	VMB1584	DOOR OPEN LEVER SPRING	1	
3-12	VMD1386	HOLDER GUIDE (R)	1	
3-13	VMB2063	RELEASE SPRING	1	
3-14	VML2306	RELEASE LEVER	1	
3-15	VXA3694	SIDE PLATE (L) UNIT	1	
3-16	VML2305	OPENER LEVER	1	
3-17	VXA3693	SIDE PLATE (R) UNIT	1	
3-18	VSS0258	SLIDE SWITCH	1	<R>
3-19	VML2288	DOWN SUPPORT LEVER	1	
3-20	VMB1961	DOWN SUPPORT SPRING	1	
3-21	VXA3498	SLIDE SWITCH UNIT	1	
3-22	VXA3696	MAIN RACK UNIT	1	
3-23	VDG0214	DAMPER	1	
3-24	VXA3697	SUB RACK UNIT	1	
3-25	VMB1780	RACK C SPRING	1	
3-26	VMB1997	CLUTCH SPRING	1	
3-27	VXP1089	MAIN SHAFT UNIT	1	
3-28	VMB1999	SUB WIPER SPRING (L)	1	
3-29	VML1878	SUB WIPER ARM (L)	1	
3-30	VML1879	SUB WIPER ARM (R)	1	
3-31	VMB1998	SUB WIPER SPRING (R)	1	
3-32	VMA7988	CASSETTE GUIDE	1	
3-33	VKF1273	BLINDER PANEL	1	<R>
3-34	VMB1258	BLINDER SPRING	1	
3-50	XTV26+8G	SCREW	2	
3-51	XTV26+6F	SCREW	1	
3-52	XTV3+8G	SCREW	1	
3-53	XUC25FP	ERING	1	

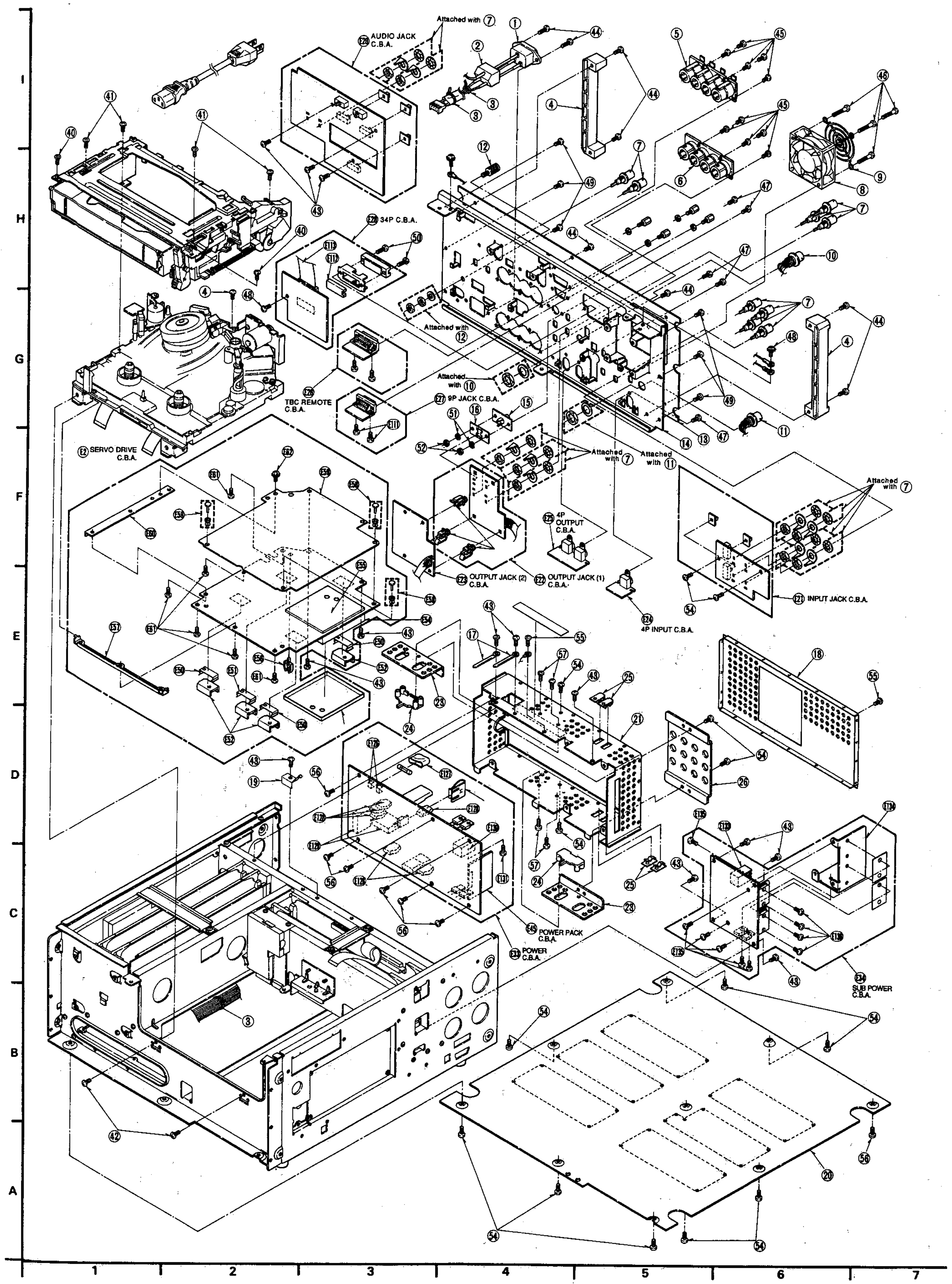
4. Chassis Frame Section-(1)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
4-1	VGM0702	SIDE PLATE (L)	1	<R>
4-2	VGM0700	TOP PLATE	1	<R>
4-3	VMX1789	SPACER	1	
4-4	VMX0871	SPACER	1	
4-5	VGM0701	SIDE PLATE (R)	1	<R>
4-6	VSW0031	POWER SWITCH	1	<!><R>
4-7	VGT0341	VR KNOB	1	<R>
4-8	VMZ1777	SHIELD PLATE	1	
4-9	VMP2871	FRAME ANGLE	2	
4-10	VYP3275	FRONT PANEL (1) UNIT	1	<R> FOR AG-7750-P/K
4-10	VYP3519	FRONT PANEL (1) UNIT	1	<R> FOR AG-7650-P/K
4-11	VMP2856	FRONT ANGLE (A)	1	
4-12	VMP2854	SWITCH GUIDE (B)	1	
4-13	VMP2853	SWITCH GUIDE (A)	1	
4-14	VMP2855	SWITCH GUIDE (C)	1	
4-15	VGU5287	SLIDE KNOB	11	<R>
4-16	VGK1511	CASSETTE GUARD	2	
4-17	VGF0206	GUARD SPACER	2	FOR AG-7750-P/K ONLY
4-18	VGK1595	GUARD SPACER	6	
4-19	VGK1512	GUARD SPACER	5	
4-20	VKW1358	OPERATION PLATE (A)	1	FOR AG-7750-P/K
4-20	VKW1444	OPERATION PLATE (A)	1	FOR AG-7650-P/K
4-21	VGU5285	VR KNOB	6	<R>
4-22	VSP0518	SEARCH DIAL UNIT	1	<R>
4-23	VMG0409	RUBBER CAP	1	<R>
4-24	VGU3970	SEARCH KNOB	1	<R>
4-25	VGU3465	SLIDE KNOB	14	<R>
4-26	VMB1493	EJECT SPRING	1	
4-27	VMT0157	RUBBER CUSHION	3	
4-28	VKF1664	CIRCUIT BOARD HOLDER	1	
4-29	VMP2065	POCKET SWITCH ANGLE	1	
4-30	VKF1551	POCKET SWITCH PANEL	1	<R>
4-31	VGH2496	POCKET SWITCH PLATE	1	<R> FOR AG-7750-P/K
4-31	VGH2638	POCKET SWITCH PLATE	1	<R> FOR AG-7650-P/K
4-32	VGU2944	EJECTOR SWITCH	1	<R>
4-50	VHD0426	SCREW	8	
4-51	VHD0222	SCREW	2	
4-52	XWC4BFY	WASHER	2	
4-53	XTV3+8FR	SCREW	4	
4-54	XTV3+6F	SCREW	3	
4-55	XTN3+8F	SCREW	2	
4-56	XTV4+10JR	SCREW	13	
4-57	XTS3+8FR	SCREW	5	
4-58	XTV3+10JR	SCREW	10	
4-59	XTV3+8J	SCREW	11	
4-60	XSS3+6FC	SCREW	1	
4-61	XTV3+10J	SCREW	4	
4-62	XSN3+6FCS	SCREW	1	

❹ Chassis Frame Section-(1)



❺ Chassis Frame Section-(2)


AUDIO JACK C.B.A.
Attached with ⑦
34P C.B.A.
TBC REMOTE C.B.A.
SERVO DRIVE C.B.A.
Attached with ⑫
Attached with ⑩
9P JACK C.B.A.
Attached with ⑦
Attached with ⑪
4P OUTPUT C.B.A.
OUTPUT JACK (2) C.B.A.
OUTPUT JACK (1) C.B.A.
4P INPUT C.B.A.
INPUT JACK C.B.A.
POWER PACK C.B.A.
POWER C.B.A.
SUB POWER C.B.A.
I
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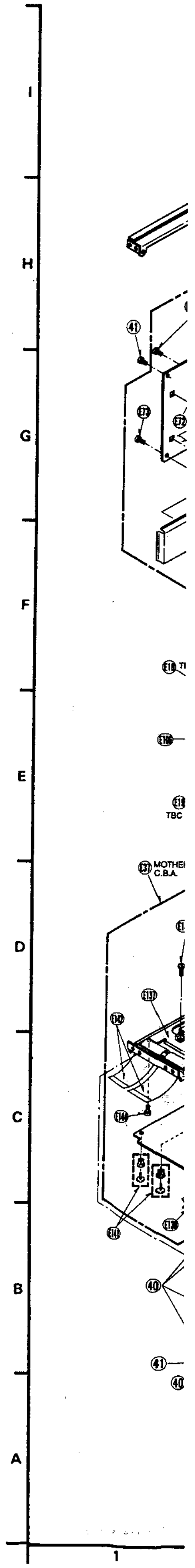
5. Chassis Frame Section-(2)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
5-1		VJP2374	AC INLET	1	<!><R>
5-2		VMZ1252	AC CORD COVER	1	
5-3		VJF0215	BINDER	3	
5-4		VGQ0978	REAR INSURATOR	1	
5-5		VJS2525	XLR CONNECTOR (FEMALE)	1	<R>
5-6		VJP2524	XLR CONNECTOR (MALE)	1	<R>
5-7		VJS1440	BNC JACK	9	
5-8		VRF0049	FAN MOTOR	1	
5-9		VGF0197	FAN GUARD	1	
5-10		VJS1132	DUB OUT CONNECTOR	1	
5-11		VJP1132	DUB IN CONNECTOR	1	
5-12		VJH0082	GROUND TERMINAL	1	
5-13		VGH2495	REAR PANEL	1	FOR AG-7750-P/K
5-13		VGH2637	REAR PANEL	1	FOR AG-7650-P/K
5-14		VJH0606	REAR JACK ANGLE	1	
5-15		VJJ0082	PHONO PIN JACK	1	
5-16		VMP1028	PHONO PIN JACK PLATE	1	
5-17		VJR3	CLAMPER	3	
5-18		VSC3184	SHIELD PLATE	1	
5-19		VMC0678	EARTH SPRING	1	
5-20		VKM2445	BOTTOM PLATE	1	
5-27		VMG0633	TOP PLATE CUSHION	1	FOR AG-7750-P/K ONLY
5-40		XYE3+BF8R	SCREW	2	
5-41		XTV26+8FR	SCREW	4	
5-42		XTV4+8F	SCREW	3	
5-43		XTV3+8FR	SCREW	13	
5-44		XTV3+10FFZ	SCREW	6	
5-45		XTN26+6FFY	SCREW	10	
5-46		XTN4+35FFC	SCREW	4	
5-47		XSN3+8FZ	SCREW	5	
5-48		XYE3+EF6	SCREW	2	
5-49		XTV3+8FFZ	SCREW	6	
5-50		XTN26+10F	SCREW	2	
5-51		XWA3B	SCREW	2	
5-52		XNG3ES	SCREW	2	
5-54		XTV3+8F	SCREW	15	
5-55		XYE3+EF8R	SCREW	2	
5-56		XYE3+EF8	SCREW	7	
5-57		XSB3+8S	SCREW	4	
5-21		VSC3182	POWER SHIELD CASE (A)	1	
5-22		VSC3183	POWER SHIELD CASE (B)	1	
5-23		VSC3192	HEAT SINK (B)	2	
5-24		VGQ1377	TR HOLDER	2	
5-25		VMC0357	TR SPRING	4	
5-26		VSC3191	HEAT SINK (A)	1	

6. Casing Parts Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
6-1		VMP0896	SIDE FRAME SUPPORT ANGLE	1	
6-2		VGQ2252	GUIDE RAIL	4	
6-3		VMP2851	MOTHER HOLD ANGLE (1)	1	
6-4		VMX1886	MOTHER HOLD CUSHION	2	
6-5		VMP2852	MOTHER HOLD ANGLE (2)	1	
6-6		VMP2902	CENTER FRAME (L)	1	
6-7		VJR3	CLAMPER	4	
6-8		VMP2167	CHASSIS FRAME (L)	1	
6-9		VJF0127	CLAMPER	4	
6-10		VMP2292	CHASSIS SUPPORT ANGLE	1	
6-11		VMP2903	CENTER FRAME (R) UNIT	1	
6-12		VXA4250	SIDE FRAME (R) UNIT	1	
6-13		VKA0117	PLASTIC FOOT	4	<R>
6-14		VJF0215	BINDER	1	
6-15		VSC1718	SIDE SHIELD PLATE	1	
6-16		VXA2590	SIDE FRAME (L) UNIT	1	
6-17		VMP0908	MAIN SUPPORT ANGLE (R)	1	
6-18		VMP0906	MAIN SUPPORT ANGLE (F)	1	
6-19		VJF0022	WIRE CLAMPER	1	
6-20		VJF0056	WIRE SADDLE	1	
6-21		VMP0907	MAIN SUPPORT ANGLE (C)	1	
6-22		VXA4249	FRONT FRAME UNIT	1	
6-40		XTV3+8F	SCREW	45	
6-41		XTV3+8FR	SCREW	19	
6-42		XYE3+EF8R	SCREW	1	
6-43		XTV3+6FR	SCREW	2	
6-44		XSN3+10S	SCREW	4	
6-45		VMX1558	NYLON WASHER	3	

❻ Casing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MOTHER C.B.A.

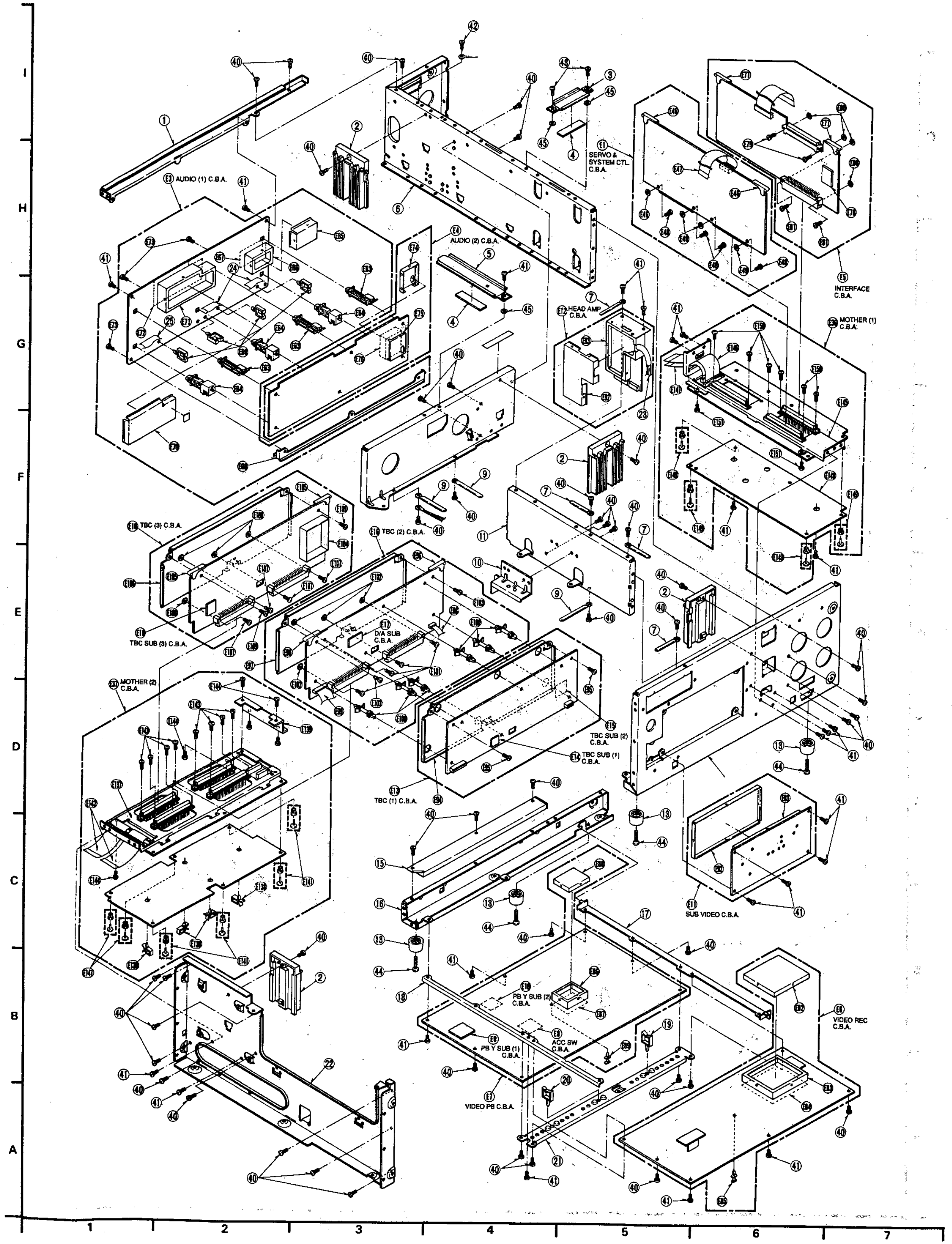
5. Chassis Frame Section-(2)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
5-1		VJP2374	AC INLET	1	<!><R>
5-2		VMZ1252	AC CORD COVER	1	
5-3		VJF0215	BINDER	3	
5-4		VGQ0978	REAR INSURATOR	1	
5-5		VJS2525	XLR CONNECTOR (FEMALE)	1	<R>
5-6		VJP2524	XLR CONNECTOR (MALE)	1	<R>
5-7		VJS1440	BNC JACK	9	
5-8		VRF0049	FAN MOTOR	1	
5-9		VGF0197	FAN GUARD	1	
5-10		VJS1132	DUB OUT CONNECTOR	1	
5-11		VJP1132	DUB IN CONNECTOR	1	
5-12		VJH0082	GROUND TERMINAL	1	
5-13		VGH2495	REAR PANEL	1	FOR AG-7750-P/K
5-13		VGH2637	REAR PANEL	1	FOR AG-7650-P/K
5-14		VJH0606	REAR JACK ANGLE	1	
5-15		VJJ0082	PHONO PIN JACK	1	
5-16		VMP1028	PHONO PIN JACK PLATE	1	
5-17		VJR3	CLAMPER	3	
5-18		VSC3184	SHIELD PLATE	1	
5-19		VMC0678	EARTH SPRING	1	
5-20		VKM2445	BOTTOM PLATE	1	
5-27		VMG0633	TOP PLATE CUSHION	1	FOR AG-7750-P/K ONLY
5-40		XYE3+BF8R	SCREW	2	
5-41		XTV26+8FR	SCREW	4	
5-42		XTV4+8F	SCREW	3	
5-43		XTV3+8FR	SCREW	13	
5-44		XTV3+10FFZ	SCREW	6	
5-45		XTN26+6FFY	SCREW	10	
5-46		XTN4+35FFC	SCREW	4	
5-47		XSN3+8FZ	SCREW	5	
5-48		XYE3+EF6	SCREW	2	
5-49		XTV3+8FFZ	SCREW	6	
5-50		XTN26+10F	SCREW	2	
5-51		XWA3B	SCREW	2	
5-52		XNG3ES	SCREW	2	
5-54		XTV3+8F	SCREW	15	
5-55		XYE3+EF8R	SCREW	2	
5-56		XYE3+EF8	SCREW	7	
5-57		XSB3+8S	SCREW	4	
5-21		VSC3182	POWER SHIELD CASE (A)	1	
5-22		VSC3183	POWER SHIELD CASE (B)	1	
5-23		VSC3192	HEAT SINK (B)	2	
5-24		VGQ1377	TR HOLDER	2	
5-25		VMC0357	TR SPRING	4	
5-26		VSC3191	HEAT SINK (A)	1	

6. Casing Parts Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
6-1		VMP0896	SIDE FRAME SUPPORT ANGLE	1	
6-2		VGQ2252	GUIDE RAIL	4	
6-3		VMP2851	MOTHER HOLD ANGLE (1)	1	
6-4		VMX1886	MOTHER HOLD CUSHION	2	
6-5		VMP2852	MOTHER HOLD ANGLE (2)	1	
6-6		VMP2902	CENTER FRAME (L)	1	
6-7		VJR3	CLAMPER	4	
6-8		VMP2167	CHASSIS FRAME (L)	1	
6-9		VJF0127	CLAMPER	4	
6-10		VMP2292	CHASSIS SUPPORT ANGLE	1	
6-11		VMP2903	CENTER FRAME (R) UNIT	1	
6-12		VXA4250	SIDE FRAME (R) UNIT	1	
6-13		VKA0117	PLASTIC FOOT	4	<R>
6-14		VJF0215	BINDER	1	
6-15		VSC1718	SIDE SHIELD PLATE	1	
6-16		VXA2590	SIDE FRAME (L) UNIT	1	
6-17		VMP0908	MAIN SUPPORT ANGLE (R)	1	
6-18		VMP0906	MAIN SUPPORT ANGLE (F)	1	
6-19		VJF0022	WIRE CLAMPER	1	
6-20		VJF0056	WIRE SADDLE	1	
6-21		VMP0907	MAIN SUPPORT ANGLE (C)	1	
6-22		VXA4249	FRONT FRAME UNIT	1	
6-40		XTV3+8F	SCREW	45	
6-41		XTV3+8FR	SCREW	19	
6-42		XYE3+EF8R	SCREW	1	
6-43		XTV3+6FR	SCREW	2	
6-44		XSN3+10S	SCREW	4	
6-45		VMX1558	NYLON WASHER	3	

❻ Casing Parts Section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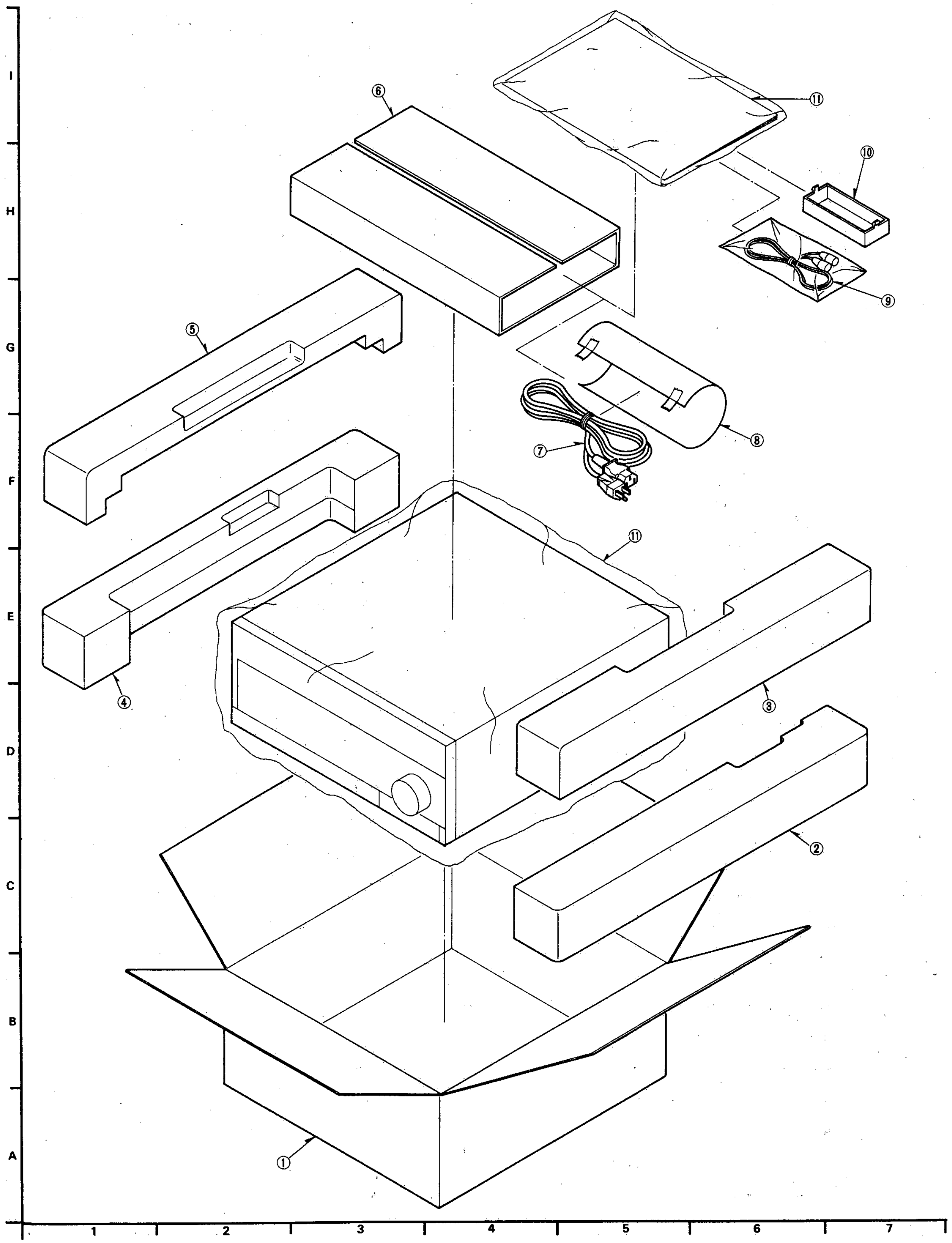
AUDIO (1) C.B.A.
AUDIO (2) C.B.A.
SERVO & SYSTEM CTL. C.B.A.
INTERFACE C.B.A.
MOTHER (1) C.B.A.
HEAD AMP. C.B.A.
TBC (3) C.B.A.
TBC (2) C.B.A.
TBC SUB (3) C.B.A.
D/A SUB C.B.A.
MOTHER (2) C.B.A.
TBC SUB (2) C.B.A.
TBC SUB (1) C.B.A.
TBC (1) C.B.A.
SUB VIDEO C.B.A.
PB Y SUB (2) C.B.A.
PB Y SUB (1) C.B.A.
ACC SW C.B.A.
VIDEO PB C.B.A.
VIDEO REC C.B.A.

❼ Packing Parts Section



7. Packing Parts Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
7-1		VPG5633	PACKING CASE	1	<R> FOR AG-7750-P
7-1		VPG5802	PACKING CASE	1	<R> FOR AG-7650-P
7-1		VPG5634	PACKING CASE	1	<R> FOR AG-7750-K
7-1		VPG5803	PACKING CASE	1	<R> FOR AG-7650-K
7-2		VPN1432	RIGHT BOTTOM CUSHION	1	<R>
7-3		VPN2967	RIGHT TOP CUSHION	1	<R>
7-4		VPN1434	LEFT BOTTOM CUSHION	1	<R>
7-5		VPN1433	LEFT TOP CUSHION	1	<R>
7-6		VPN1581	TOP PAD	1	<R>
7-7		VJA0472	POWER CORD	1	<!><R>
7-8		VPF0136	POWER CORD SHEET	1	
7-9		VJA0579	Y/C CABLE	1	<R>
7-10		VGF0381	TBC COVER	1	
7-11		VQT3833	OPERATING INSTRUCTIONS (ENGLISH)	1	<R> FOR AG-7750-P/K
7-11		VQT4006	OPERATING INSTRUCTIONS (ENGLISH)	1	<R> FOR AG-7650-P/K
7-11		VQT3834	OPERATING INSTRUCTIONS (FRANCH)	1	<R> FOR AG-7750-P/K
7-11		VQT4007	OPERATING INSTRUCTIONS (FRANCH)	1	<R> FOR AG-7650-P/K

ELECTRICAL REPLACEMENT PARTS LIST (AG-7750)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E1		VEP02360A	SERVO & SYSTEM CONTROL C.B.A.	1	(NLA)<R>
E2		VEP02361A	SERVO DRIVE C.B.A.	1	(NLA)<R>
E3		VEP04299A	AUDIO (1) C.B.A.	1	(NLA)<R>
E4		VEP04300A	AUDIO (2) C.B.A.	1	(NLA)<R>
E5		VEP06655B	INTERFACE C.B.A.	1	(NLA)<R>
E6		VEP03749A	VIDEO REC C.B.A.	1	(NLA)<R>
E7		VEP03750A	VIDEO PB C.B.A.	1	(NLA)<R> INCLUDING THE ACC SW C.B.A. (VEP00R26A) PB Y SUB (1) C.B.A. (VEP00R47A) PB Y SUB (2) C.B.A. (VEP00R52A)
E8		VEP00R26A	ACC SW C.B.A.	1	(NLA)<R> PARTS LIST IS INCLUDED IN VIDEO PB C.B.A.(VEP03750A)
E9		VEP00R47A	PB Y SUB (1) C.B.A.	1	(NLA)<R> PARTS LIST IS INCLUDED IN VIDEO PB C.B.A.(VEP03750A)
E10		VEP00R52A	PB Y SUB (2) C.B.A.	1	(NLA)<R> PARTS LIST IS INCLUDED IN VIDEO PB C.B.A.(VEP03750A)
E11		VEP03751A	SUB VIDEO C.B.A.	1	(NLA)<R>
E12		VEP05155A	HEAD AMP C.B.A.	1	(NLA)<R>
E13		VEP08135A	TBC (1) C.B.A.	1	(NLA)<R> INCLUDING THE TBC SUB (1) C.B.A. (VEP00R40A) TBC SUB (2) C.B.A. (VEP00R44A)
E14		VEP00R40A	TBC SUB (1) C.B.A.	1	(NLA)<R> PARTS LIST IS INCLUDED IN TBC (1) C.B.A. (VEP08135A)
E15		VEP00R44A	TBC SUB (2) C.B.A.	1	(NLA)<R> PARTS LIST IS INCLUDED IN TBC (1) C.B.A. (VEP08135A)
E16		VEP08136A	TBC (2) C.B.A.	1	(NLA)<R> INCLUDING THE D/A SUB C.B.A. (VEP00R46A)
E17		VEP00R46A	D/A SUB C.B.A.	1	(NLA)<R> PARTS LIST IS INCLUDED IN TBC (2) C.B.A.(VEP08136A)
E18		VEP08137A	TBC (3) C.B.A.	1	(NLA)<R> INCLUDING THE TBC SUB (3) C.B.A. (VEP00R48A)
E19		VEP00R48A	TBC SUB (3) C.B.A.	1	(NLA)<R> PARTS LIST IS INCLUDED IN TBC (3) C.B.A.(VEP08137A)
E20		VEP04301A	AUDIO JACK C.B.A.	1	(NLA)<R>
E21		VEP06657A	INPUT JACK C.B.A.	1	(NLA)<R>
E22		VEP06658A	OUTPUT JACK (1) C.B.A.	1	(NLA)<R>
E23		VEP06659A	OUTPUT JACK (2) C.B.A.	1	(NLA)<R>
E24		VEP06660A	4P INPUT JACK C.B.A.	1	(NLA)<R>
E25		VEP06661A	4P OUTPUT JACK C.B.A.	1	(NLA)<R>
E26		VEP08138A	TBC REMOTE C.B.A.	1	(NLA)<R>
E27		VEP06662A	9P JACK C.B.A.	1	(NLA)<R>
E28		VEP06665A	34P C.B.A.	1	(NLA)<R>
E29		VEP06656A	KEYBOARD C.B.A.	1	(NLA)<R>
E30		VEP04302A	METER C.B.A.	1	(NLA)<R>
E33		VEP01428B	POWER C.B.A.	1	(NLA)<R> INCLUDING THE POWER PACK C.B.A. (VEP01431A)
E45		VEP01431A	POWER PACK C.B.A.	1	(NLA)<R> PARTS LIST IS INCLUDED IN POWER C.B.A.(VEP01428B)
E34		VEP01429A	SUB POWER C.B.A.	1	(NLA)<R>
E35		VEP04303B	FRONT JACK C.B.A.	1	(NLA)<R>
E36		VEP00P84B	MOTHER (1) C.B.A.	1	(NLA)<R>
E37		VEP00P85A	MOTHER (2) C.B.A.	1	(NLA)<R>
E38		VEP06694A	FRONT CONNECT C.B.A.	1	(NLA)<R>
E40		VEK5100	MOTOR BASE C.B.A.	1	(NLA)<R>
E41		VEK2657	TENSION SENSOR UNIT	1	(NLA)<R>
E42		VEK4265	REV TENSION SENSOR UNIT	1	(NLA)<R>
E43		VEK3578	PHOTO TR. (L) UNIT	1	(NLA)<R>
E44		VEK4058	PHOTO TR. (R) UNIT	1	(NLA)<R>
	■	VEP02360B	SERVO & SYSTEM CONTROL C.B.A.		
C2001		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2002		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2003		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2004		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2005		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2006		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2007		ECEA1AKA330	E.CAPACITOR 10V 33U	1	
C2008		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2010		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2011		ECEA1AKA220	E.CAPACITOR 10V 22U	1	
C2012		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2013-15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2005		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2006		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2007		ECEA1AKA330	E.CAPACITOR 10V 33U	1	
C2008		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2010		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2011		ECEA1AKA220	E.CAPACITOR 10V 22U	1	
C2012		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2013-15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2016,17		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C2018		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2019		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2020		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2021		ECQB1H152JF	P.CAPACITOR 50V 1500P	1	
C2023		ECQV1H184JZ	P.CAPACITOR 50V 0.18U	1	
C2024		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C2025		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2026		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2027		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2028		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2029,30		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C2031		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C2032		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2033,34		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2035		ECEA1HKAR47	E.CAPACITOR 50V 0.47U	1	
C2036,37		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	2	
C2038		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C2039		ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C2040		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2041		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C2044,45		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	2	
C2046		ECEA1HKAR47	E.CAPACITOR 50V 0.47U	1	
C2047		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C2048		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C2201		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2202,03		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2206		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2207,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2209-12		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	4	
C2213		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C2214		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2215		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2216		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2217,18		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2219		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2220,21		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2222		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2223,24		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2225		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2226		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2227		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2228-30		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2231		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2232-34		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2235		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2236		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2237,38		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C2239-41		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2243		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2244		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2245-47		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2318,19		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C2320		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C2321		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2322		ECEA1HKN4R7	E.CAPACITOR 50V 4.7U	1	
C2323		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C2327,28		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C2330		ECQP1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2331		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2335,36		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C2338		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2339		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2340-44		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C2350		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2351		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2352,53		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C2354		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2355		ECEA1HK010	E.CAPACITOR 50V 1U	1	
C2501		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2502		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2503		ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C2504		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2510		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2512-14		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2516-19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C60001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60002,03		ECEA1CU102	E.CAPACITOR 16V 1000U	2	
C60004		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60005		ECEA0JU332	E.CAPACITOR 6.3V 3300U	1	
C60006		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60007		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C60008		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C60009		ECEA0JU332	E.CAPACITOR 6.3V 3300U	1	
C60016		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C60017		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60018,19		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C60020		ECEA1VKA470	E.CAPACITOR 35V 47U	1	
C60021		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	1	
C60022		ECEA1AKA220	E.CAPACITOR 10V 22U	1	
C60023		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C60101		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60102		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C60103-06		ECQB1H102JF	P.CAPACITOR 50V 1000P	4	
C60107		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C60108		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C60109		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60110,11		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C60112		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C60501		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C60502		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C60503		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C60504		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60505		ECEA1CN101S	E.CAPACITOR 16V 100U	1	
C60506		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C60507		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
D2001		MA151K	DIODE	1	<R>
D2002		MA151WA	DIODE	1	<R>
D2003,04		MA151K	DIODE	2	<R>
D2005		MA151WK	DIODE	1	<R>
D2006		MA151WA	DIODE	1	<R>
D2007		MA151K	DIODE	1	<R>
D2008		MA165	DIODE	1	<R>
D2308		MA151K	DIODE	1	<R>
D2309		MA151WK	DIODE	1	<R>
D2310		MA153	DIODE	1	<R>
D2501,02		MA151K	DIODE	2	<R>
D60001		11EQS04	DIODE	1	<R>
D60002		MA170	DIODE	1	<R>
D60003		11EQS04	DIODE	1	<R>
D60501,02		MA151K	DIODE	2	<R>
D60503		10E1	DIODE	1	<R>
D60504		MA151K	DIODE	1	<R>
D60505		MA170	DIODE	1	<R>
D60506		MA151K	DIODE	1	<R>
FL2201-06		VLF0634	FILTER	6	
FL2207-13		VLF0630	FILTER	7	
FL2214,15		VLF0634	FILTER	2	
FL2216-19		VLF0630	FILTER	4	
FL2220		VLF0632	FILTER	1	
FL60001-03		VLF0634	FILTER	3	
IC2001		MN6742VCRM	IC	1	<R>
IC2002		MN1280R	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC2003		BA226F	IC	1	<R>
IC2004		MC14052BF	IC	1	<R>
IC2005		MC14013BF	IC	1	<R>
IC2006		MC14070BF	IC	1	<R>
IC2007,08		MN53015VZW	IC	2	<R>
IC2009		MC14053BF	IC	1	<R>
IC2010,11		LM339NS	IC	2	<R>
IC2012		MC74HCU04F	IC	1	<R>
IC2013		LM358PS	IC	1	<R>
IC2201		MN19041VSSP	IC	1	<R>
IC2202		L7A0269	IC	1	<R>
IC2203		PCM55HP	IC	1	<R>
IC2205		AN79N05	IC	1	<R>
IC2206		MC14050BF	IC	1	<R>
IC2207		LM358PS	IC	1	<R>
IC2302		RC4556MB	IC	1	<R>
IC2303		LM358PS	IC	1	<R>
IC2304		LM393PS	IC	1	<R>
IC2305		MC14053BF	IC	1	<R>
IC2310		BA6302AF	IC	1	<R>
IC2501,02		LM324NS	IC	2	<R>
IC2503		LM393PS	IC	1	<R>
IC2505		MC14053BF	IC	1	<R>
IC2506		MC14052BF	IC	1	<R>
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IC60001		TD62503FTP1	IC	1	<R>
IC60002		MN188166VSTE	IC	1	<R>
IC60004		MC74HC02AF	IC	1	<R>
IC60005		MN1280R	IC	1	<R>
IC60101		LM324NS	IC	1	<R>
IC60501		LM393PS	IC	1	<R>
IC60502		M54649L	IC	1	<R>
IC60503		MN1280R	IC	1	<R>
JW2001		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
JW2201		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
JW2203		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
JW2206		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L2001-06		VLQ0460-T	COIL 100UH	6	
L2201,02		VLQEL05K2R2K	COIL 2.2UH	2	
L2203		VLP0054	COIL	1	
L2205		VLP0054	COIL	1	
L2206,07		VLQEL05K2R2K	COIL 2.2UH	2	
L2301-03		VLQ0460-T	COIL 100UH	3	
L2502		VLQ0460-T	COIL 100UH	1	
L60101,02		VLQ0460-T	COIL 100UH	2	
L60501		VLQEL05F150K	COIL 15UH	1	
P2001,02		VJP2898B050	CONNECTOR(MALE) 50P	2	
P60001		VJP1229T	CONNECTOR(MALE) 2P	1	
P60002		VJP1231T	CONNECTOR(MALE) 4P	1	
P60502		VJS1475	CONNECTOR(FEMALE) 13P	1	
Q2001		MSC2295-B	TRANSISTOR	1	<R>
Q2002		MSD601-R	TRANSISTOR	1	<R>
Q2303-05		MSD601-R	TRANSISTOR	3	<R>
Q60001		2SD638	TRANSISTOR	1	(Q,R,S)<R>
Q60002		MSB709-R	TRANSISTOR	1	<R>
Q60003		2SB819	TRANSISTOR	1	(P,Q,R)<R>
Q60004		MSD601-R	TRANSISTOR	1	<R>
Q60005		2SB819	TRANSISTOR	1	(P,Q,R)<R>
Q60006		MSD601-R	TRANSISTOR	1	<R>
Q60007		MSD602-RT2	TRANSISTOR	1	<R>
Q60501-03		MSD601-R	TRANSISTOR	3	<R>
Q60504		2SB819	TRANSISTOR	1	(P,Q,R)<R>
Q60505		MSD601-R	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q60506		2SD1273	TRANSISTOR	1	(P,Q)<R>
Q60507		MSD601-R	TRANSISTOR	1	<R>
Q60508		2SB941	TRANSISTOR	1	(P,Q,R)<R>
Q60509		MSD601-R	TRANSISTOR	1	<R>
QR2001-06		MRN1404	TRANSISTOR-RESISTOR	6	<R>
QR2304,05		MRN2402	TRANSISTOR-RESISTOR	2	<R>
QR2306		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR2308		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR2309		MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR2501-05		MRN1404	TRANSISTOR-RESISTOR	5	<R>
QR60001		MRN2402	TRANSISTOR-RESISTOR	1	<R>
QR60002		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR60004		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR60005		UN2114	TRANSISTOR-RESISTOR	1	<R>
QR60006,07		MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR60501		MRN1402	TRANSISTOR-RESISTOR	1	<R>
QR60502		MRN2402	TRANSISTOR-RESISTOR	1	<R>
QR60503		MRN1404	TRANSISTOR-RESISTOR	1	<R>
R2001		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R2002		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2004		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R2005-07		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R2008		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2009,10		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R2013		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2014,15		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	2	
R2017,18		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2019		ERJ6GEYJ124	M.RESISTOR CH1/10W 120K	1	
R2020		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2021		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R2022		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2024,25		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2027		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2029		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2030		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2031		ERJ6GEYG331	M.RESISTOR CH1/10W 330	1	
R2032		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2033		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2035,36		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	2	
R2037,38		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2039		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2040-42		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R2043		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2044		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2045		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R2046		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2047		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2048		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R2049,50		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2202		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2203		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2204		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R2205,06		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2207		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2208		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2209-11		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	3	
R2212		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2213-18		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	6	
R2220-29		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	10	
R2331		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2332		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R2333		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2334		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2335		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R2336		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2337		ERJ6GEYG242	M.RESISTOR CH1/10W 2.4K	1	
R2338		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R2339		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2340,41		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	2	
R2342		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R2343		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2344		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R2345		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R2346		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R2347		ERJ6GEYJ124	M.RESISTOR CH1/10W 120K	1	
R2352		ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R2353,54		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2355		ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R2356		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2357,58		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R2359		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2360,61		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R2362		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R2363		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R2364		ERJ6GEYG913	M.RESISTOR CH1/10W 91K	1	
R2370,71		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2372		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R2373		ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2374		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R2375		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R2376		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R2377		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2378		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R2379		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2380		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2381		ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2501		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R2502		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R2503		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R2504		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R2505		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R2506		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R2507-10		ERJ6GEYG104	M.RESISTOR CH1/10W 100K	4	
R2511-15		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	5	
R2516		ERJ6GEYG563	M.RESISTOR CH1/10W 56K	1	
R2517		ERJ6GEYG223	M.RESISTOR CH1/10W 22K	1	
R2518-20		ERJ6GEYG124	M.RESISTOR CH1/10W 120K	3	
R2521		ERJ6GEYG154	M.RESISTOR CH1/10W 150K	1	
R2522		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2523,24		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R60001		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60002		ERD2FCG220	C.RESISTOR 2W 22	1	
R60003		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60004		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R60005		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R60006		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60007		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R60008		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60009		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R60010		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R60011		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R60012		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R60013		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R60014-18		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R60019		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R60020		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R60021-24		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R60026-29		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R60030		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R60031		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60032-35		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	4	
R60036		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60037		ERQ12HJ330	F.RESISTOR 1/2W 33	1	
R60038,39		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R60040-42		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	3	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R60043,44		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R60045		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60101		ERJ6GEYG102	M.RESISTOR CH1/10W 1K	1	
R60102		ERJ6GEYG302	M.RESISTOR CH1/10W 3K	1	
R60103-05		ERJ6GEYG102	M.RESISTOR CH1/10W 1K	3	
R60106		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R60107		ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R60108-11		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R60501		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R60502,03		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	2	
R60504		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R60505		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R60506		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R60507,08		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R60509		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R60510,11		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R60512		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R60513		ERJ6GEYJ121	M.RESISTOR CH1/10W 120	1	
R60514		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R60515		ERJ6GEYJ474	M.RESISTOR CH1/10W 470K	1	
R60516		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R60517-19		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	3	
R60520,21		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R60522		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R60523		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R60524		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60525		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R60526		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R60527,28		ERG1SJ300	M.RESISTOR 1W 30	2	
R60529		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R60530		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
SW60001		VSS0126	SWITCH	1	<R>
VR2001		EVM31GA00B54	V.RESISTOR 50K	1	
VR2002,03		EVM31GA00B15	V.RESISTOR 100K	2	
X2001		VSX0296	CRYSTAL OSCILLATOR	1	<R>
X2002		VSX0060	CRYSTAL OSCILLATOR	1	<R>
X2201		VSX0197	CRYSTAL OSCILLATOR	1	<R>
X60001		VSX0230	CRYSTAL OSCILLATOR	1	<R>
			MISCELLAEOUS		
E46		VML2143	P.C.BOARD PULLER	2	
E47		VWJ13AW200MM	FLEXIBLE WIRE	1	<R>
E48		XYN26+C12	SCREW	4	
E49		XNG26EFXS	NUT	4	
	■	VEP02361A	SERVO DRIVE C.B.A.		
C2701		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2702		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C2703		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C2704		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C2705		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2708		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2709		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2711		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2712		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2713		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2714		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2715		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
C2716,17		ECEA1EU101	E.CAPACITOR 25V 100U	2	
C2718		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2720		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C2721		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2722		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C2723		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2724		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C2725		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2726		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2727		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2728-30		ECQV1H224JF	P.CAPACITOR 50V 0.22U	3	
C2731-33		ECEA1HKN4R7	E.CAPACITOR 50V 4.7U	3	
C2734		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2735		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2736		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2737		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2738		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2739		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2740		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2741		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2742		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2743		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2744-46		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2747-50		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2751-53		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2754		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2755-57		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	3	
C2758		ECEA1HKNR47	E.CAPACITOR 50V 0.47U	1	
C2759		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2760		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2761		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2762		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C2763		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2764		ECEA0JKS220	E.CAPACITOR 6.3V 22U	1	
C2765		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2766		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2767		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2768		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C2769,70		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C2771		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2772		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2773		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2774		ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C2775		ECEA0JU682	E.CAPACITOR 6.3V 6800U	1	
C2776		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2777		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C2778-80		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2781-84		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2785-87		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2788,89		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C2790		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2791		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2792		ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C2793		ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C2794-96		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2797-00		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2801-03		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2804,05		ECEA1EU472	E.CAPACITOR 25V 4700U	2	
C2806		ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
D2701		MA4180L	DIODE	1	<R>
D2703		MA4160-L	DIODE	1	<R>
D2704		11DQ04	DIODE	1	<R>
D2705		MA151K	DIODE	1	<R>
D2715,16		11DQ04	DIODE	2	<R>
D2717-19		11EQS04	DIODE	3	<R>
D2720		MA153	DIODE	1	<R>
D2721		11EQS04	DIODE	1	<R>
D2722		MA153	DIODE	1	<R>
D2723		11EQS04	DIODE	1	<R>
D2724,25		MA153	DIODE	2	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D2726		MA151WK	DIODE	1	<R>
D2727		11EQS04	DIODE	1	<R>
D2728		MA151K	DIODE	1	<R>
D2729		MA151WK	DIODE	1	<R>
D2730		11EQS04	DIODE	1	<R>
D2731		MA151K	DIODE	1	<R>
D2732		11EQS04	DIODE	1	<R>
D2733		MA151K	DIODE	1	<R>
D2734,35		MA4160-L	DIODE	2	<R>
D2736-38		MA4160-H	DIODE	3	<R>
D2739		MA151K	DIODE	1	<R>
IC2701		BA6149LS	IC	1	<R>
IC2702		LM358PS	IC	1	<R>
IC2703		AN3815K	IC	1	<R>
IC2704		XRA6435S	IC	1	<R>
IC2705		LM393PS	IC	1	<R>
IC2706		LM358PS	IC	1	<R>
IC2707		LM393PS	IC	1	<R>
IC2708		LM358PS	IC	1	<R>
IC2709		LM393PS	IC	1	<R>
IC2710,11		UPC4556G	IC	2	<R>
IC2712,13		XRA6435S	IC	2	<R>
IC2714		LM339NS	IC	1	<R>
IC2715		AN78N12	IC	1	<R>
IC2716		LM358PS	IC	1	<R>
IC2717		MC14053BF	IC	1	<R>
L2702-04		ELC10E014	COIL 330UH	3	
L2705-12		VLQ0460	COIL 100UH	8	
L2713		VLQ0199	COIL	1	
P2701		VJP1234T	CONNECTOR(MALE) 7P	1	
P2702		VJP1393T	CONNECTOR(MALE) 13P	1	
P2703		VJP1239T	CONNECTOR(MALE) 12P	1	
P2704		VJP1237T	CONNECTOR(MALE) 10P	1	
P2705		VJP1932T	CONNECTOR(MALE) 15P	1	
P2706,07		VJS1413	CONNECTOR(FEMALE) 15P	2	
P2708		VJP1230T	CONNECTOR(MALE) 3P	1	
P2709		VJP1230R	CONNECTOR(MALE) 3P	1	
P2710		VJP1141	CONNECTOR(MALE) 2P	1	
Q2703		MSB709-R	TRANSISTOR	1	<R>
Q2704		2SB1151	TRANSISTOR	1	<R>
Q2705-07		2SD601A	TRANSISTOR CHIP	3	<R>
Q2709-11		2SB772	TRANSISTOR	3	<R>
Q2712		MSD601-R	TRANSISTOR	1	<R>
Q2713-16		MSB709-R	TRANSISTOR	4	<R>
QR2701		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR2702		MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR2703		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR2704		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR2705		MRN1404	TRANSISTOR-RESISTOR	1	<R>
R2701		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R2702-05		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	4	
R2709,10		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2711		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R2712		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2713		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2714-17		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R2718		ERG2SJ561	M.RESISTOR 2W 560	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2719		ERDS2TJ270	C.RESISTOR 1/4W 27	1	
R2725		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R2726		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2727		ERDS2TJ150	C.RESISTOR 1/4W 15	1	
R2729		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2730		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2731		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2732		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R2733		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2734		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2735		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2736		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R2737		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2738,39		ERDS2TJ150	C.RESISTOR 1/4W 15	2	
R2740		ERX12SJR68	M.RESISTOR 1/2W 0.68	1	
R2741,42		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	2	
R2743		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R2744		ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R2745		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R2746		ERG1SJ330	M.RESISTOR 1W 33	1	
R2747		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2748		ERJ6GEYJ124	M.RESISTOR CH1/10W 120K	1	
R2749,50		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2751		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2752-54		ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2755		ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
R2756		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R2757		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2758		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2759		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2760		ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R2761,62		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2763,64		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2765		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2766		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2767		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2768		ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R2769,70		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2771,72		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2773,74		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2775		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2776		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R2777		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R2778-82		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R2783		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2784		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2785		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2786,87		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2788		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2789		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R2790		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R2791		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2792		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2793		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2794		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R2795		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R2796		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2797		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R2798		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2799		ERG2SJ221	M.RESISTOR 2W 220	1	
R2800		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R2801		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2802		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R2803		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R2804		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2805-07		ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2808		ERX12SJ1R0	M.RESISTOR 1/2W 1	1	
R2809		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R2810,11		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2812		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2813,14		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R2815		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2816,17		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R2818		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R2819		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2820		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R2821		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R2822		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2823-25		ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2826		ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
R2827		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R2828,29		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R2830		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2831		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R2832		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R2833		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2834		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2835		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R2836		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2837		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R2838,39		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2840		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2841		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2842,43		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2844		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2845		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2846-48		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	3	
R2849		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R2850		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R2852		ERJ6GEYG102	M.RESISTOR CH1/10W 1K	1	
R2853,54		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2855		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2856		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R2857		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2858-61		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R2862,63		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
X2701		VSX0136	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E50		VMC0075	HEAT SINK ANGLE	3	
E51		VMC0493	HEAT SINK ANGLE	1	
E52		VSC1215	HEAT SINK	4	
E53		VSC2806	SHIELD CASE (TOP)	1	
E54		VSC2807	SHIELD CASE (MAIN)	1	
E55		VSC2808	SHIELD CASE (BOTTOM)	1	
E56		VJF0384	CLAMP	1	
E57		VMP2874	C.B.ANGLE	1	
E58		VHN0011	RIVET	6	
E59		VSC3233	SHIELD PLATE	1	
E60		VMP2920	C.B.ANGLE	1	
E61		XTV3+8F	SCREW	3	
E62		XYE3+EF6	SCREW	1	
	■	VEP04299A	AUDIO (1) C.B.A.		
C40001		ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U	1	
C40002		ECEA16M10	E.CAPACITOR 16V 10U	1	
C40003		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C40004		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40005		ECEA16M10	E.CAPACITOR 16V 10U	1	
C40006		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40007		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C40008		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40009		ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C40010		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C40011-13		ECEA1CKA100	E.CAPACITOR 16V 10U	3	
C40014		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C40015		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C40016		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C40017		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C40018		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40019		ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C40020		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40021		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40022		ECEA10M33	E.CAPACITOR 10V 33U	1	
C40023		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40024		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C40025		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C40026		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C40027		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40028		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40029		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40030		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40031		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40032		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40033		ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C40034		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40035		ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40036		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40037		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40038		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40039		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40040		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C40041		ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40042		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C40043		ECUM1H392KBN	C.CAPACITOR CH 50V 3900P	1	
C40044		ECQB1H123JF	P.CAPACITOR 50V 0.012U	1	
C40045		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C40046		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C40047		ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U	1	
C40048		ECEA16M10	E.CAPACITOR 16V 10U	1	
C40049		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40050		ECEA16M10	E.CAPACITOR 16V 10U	1	
C40051		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40052		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C40053		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40054		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40055		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40056		ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C40057		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C40058		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40059		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40060		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40061		ECEA10M33	E.CAPACITOR 10V 33U	1	
C40063		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40064		ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C40065		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C40066		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C40067		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C40068		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C40069		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40070		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C40071		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C40072		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C40073		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40074		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40075		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40076		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40077		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40078		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40079		ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C40080		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40081		ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40082		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40083		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40084		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40085		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40086		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C40087		ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40088		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C40089		ECUM1H392KBN	C.CAPACITOR CH 50V 3900P	1	
C40090		ECQB1H123JF	P.CAPACITOR 50V 0.012U	1	
C40091		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C40092		ECKD2H331KB	C.CAPACITOR 500V 330P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C40093		ECKD2H151KB	C.CAPACITOR 500V 150P	1	
C40094		ECQM2152KZ	P.CAPACITOR 200V 1500P	1	
C40095		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40096		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40097		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40098		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C40099		ECKD2H331KB	C.CAPACITOR 500V 330P	1	
C40100		ECKD2H151KB	C.CAPACITOR 500V 150P	1	
C40101		ECQM2152KZ	P.CAPACITOR 200V 1500P	1	
C40102		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40103		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40104		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40105		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C40106		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40107		ECQP1H223JZ	P.CAPACITOR 50V 0.022U	1	
C40108		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40109		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C40110		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40111		ECQM2152KZ	P.CAPACITOR 200V 1500P	1	
C40112		ECEA50M1	E.CAPACITOR 50V 1U	1	
C40113,14		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C40115		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40116		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40117		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C40118,19		ECEA1HKA010	E.CAPACITOR 50V 1U	2	
C40120,21		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C40122		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40123		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40124		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C40125-27		ECEA16M10	E.CAPACITOR 16V 10U	3	
C40128		ECEA50M1	E.CAPACITOR 50V 1U	1	
C40129-31		ECEA16M10	E.CAPACITOR 16V 10U	3	
C40132,33		ECEA1HKN010	E.CAPACITOR 50V 1U	2	
C40134,35		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	2	
C40501		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C40502		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C40504		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40507,08		ECEA1CKA101	E.CAPACITOR 16V 100U	2	
C40509		ECEA1AKA330	E.CAPACITOR 10V 33U	1	
C40510		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40511		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40512		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C40513,14		ECUM1H300JCN	C.CAPACITOR CH 50V 30P	2	
C40515		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40516		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40517		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40518		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40519		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40520		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C40521		ECEA1CKA330	E.CAPACITOR 16V 33U	1	
C40522		ECEA1AKA330	E.CAPACITOR 10V 33U	1	
D40001,02		MA151K	DIODE	2	<R>
D40004-08		MA151K	DIODE	5	<R>
D40009		MA151WA	DIODE	1	<R>
D40011		MA151K	DIODE	1	<R>
D40012		MA151WA	DIODE	1	<R>
D40014-16		MA151K	DIODE	3	<R>
D40501		MA156	DIODE	1	<R>
D40502		MA151K	DIODE	1	<R>
D40503		MA151WK	DIODE	1	<R>
D40504		MA151K	DIODE	1	<R>
FL40001		VLF0402	FILTER	1	
FL40003		VLF0402	FILTER	1	
IC40001		HA12005	IC	1	<R>
IC40002		NE646N	IC	1	<R>
IC40004		HA12005	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC40005		NE646N	IC	1	<R>
IC40007		UPC4558G	IC	1	<R>
IC40501		M50727	IC	1	<R>
IC40502		MN1280R	IC	1	<R>
IC40503		AN360	IC	1	<R>
IC40504		MC14053BF	IC	1	<R>
IC40505		MN1280R	IC	1	<R>
JW1		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L40001,02		VLQ0123	COIL	2	
L40003-05		VLQEL06F102K	COIL 1000UH	3	
L40006		VLQEL06F471K	COIL 470UH	1	
L40009		VLQEL06F471K	COIL 470UH	1	
L40501,02		VLQEL06F102K	COIL 1UH	2	
P40001		VJP1230R	CONNECTOR(MALE) 3P	1	
P40002		VJP1230T	CONNECTOR(MALE) 3P	1	
P40003		VJP1233T	CONNECTOR(MALE) 6P	1	
P40004		VJP1393T	CONNECTOR(MALE) 13P	1	
P40008		VJP1231T	CONNECTOR(MALE) 4P	1	
Q40001		2SD1306	TRANSISTOR	1	<R>
Q40002,03		2SD1149	TRANSISTOR	2	(R,S)<R>
Q40004		2SB709A	TRANSISTOR CHIP	1	<R>
Q40006,07		MSD601-R	TRANSISTOR	2	<R>
Q40008		MSB709-R	TRANSISTOR	1	<R>
Q40009		2SD1306	TRANSISTOR	1	<R>
Q40010		2SD636	TRANSISTOR	1	<R>
Q40012		2SD1306	TRANSISTOR	1	<R>
Q40013,14		2SD1149	TRANSISTOR	2	(R,S)<R>
Q40015		2SB709A	TRANSISTOR CHIP	1	<R>
Q40017,18		MSD601-R	TRANSISTOR	2	<R>
Q40019		MSB709-R	TRANSISTOR	1	<R>
Q40020		2SD1306	TRANSISTOR	1	<R>
Q40021		MSD601-R	TRANSISTOR	1	<R>
Q40023		MSB709-R	TRANSISTOR	1	<R>
Q40024,25		2SD1149	TRANSISTOR	2	(R,S)<R>
Q40026		2SD1862	TRANSISTOR	1	<R><!>
Q40027		MSB710-R	TRANSISTOR	1	<R>
Q40027		2SB643	TRANSISTOR	1	(Q,R,S)<R>
Q40028,29		2SD1149	TRANSISTOR	2	(R,S)<R>
Q40030		MSB709-R	TRANSISTOR	1	<R>
Q40031		2SD1862	TRANSISTOR	1	<R><!>
Q40032		MSB710-R	TRANSISTOR	1	<R>
Q40033,34		2SD602A	TRANSISTOR	2	(T,W)<R>
Q40035		2SB710A	TRANSISTOR	1	(R,S)<R>
Q40036		2SD1862	TRANSISTOR	1	<R><!>
Q40037		2SB710A	TRANSISTOR	1	(R,S)<R>
Q40038		MSB709-R	TRANSISTOR	1	<R>
Q40039,40		2SD602A	TRANSISTOR	2	(T,W)<R>
Q40041		2SB710A	TRANSISTOR	1	(R,S)<R>
Q40042		MSB709-R	TRANSISTOR	1	<R>
Q40043		2SD602A	TRANSISTOR	1	(T,W)<R>
Q40044		2SD1862	TRANSISTOR	1	<R><!>
Q40045-48		2SC2405	TRANSISTOR	4	(S,T)<R>
Q40049		2SD602A	TRANSISTOR	1	(T,W)<R>
Q40503		MSB709-R	TRANSISTOR	1	<R>
Q40504		2SB710A	TRANSISTOR	1	(R,S)<R>
QR40001		UN2114	TRANSISTOR-RESISTOR	1	<R>
QR40002		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR40003		MRN1402	TRANSISTOR-RESISTOR	1	<R>
QR40004-06		MRN1403	TRANSISTOR-RESISTOR	3	<R>
QR40007-10		MRN2403	TRANSISTOR-RESISTOR	4	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR40011,12		MRN1403	TRANSISTOR-RESISTOR	2	<R>
QR40013		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR40014		UN2114	TRANSISTOR-RESISTOR	1	<R>
QR40015		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR40016		MRN1402	TRANSISTOR-RESISTOR	1	<R>
QR40017,18		MRN1403	TRANSISTOR-RESISTOR	2	<R>
QR40019,20		MRN2403	TRANSISTOR-RESISTOR	2	<R>
QR40021		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR40022		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR40023,24		UN2217	TRANSISTOR-RESISTOR	2	<R>
QR40029		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR40501,02		MRN1403	TRANSISTOR-RESISTOR	2	<R>
R40001,02		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R40003		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R40004		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40005		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40006		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40007		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40008		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R40009,10		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R40011		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R40012		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40013		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R40014		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40015		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40016		ERJ6GEYJ824	M.RESISTOR CH1/10W 820K	1	
R40017,18		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R40019		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R40020		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40021		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R40022		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R40023		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40024		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40025		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40026		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40027		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40028		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40029		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40030		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40031		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40032		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R40033,34		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	2	
R40035		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40036		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R40037,38		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R40039		ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R40040		ERJ6GEYJ274	M.RESISTOR CH1/10W 270K	1	
R40041		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40042		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40043		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R40044		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R40045		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40046		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R40047		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40048		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40049		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40050		ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R40051		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40052		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R40053		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40054		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40055		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40056		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R40057		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40058		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R40059,60		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R40061		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40062		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40063		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40064		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R40065,66		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R40067		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R40068		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R40069		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R40070		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40071		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40072		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40073		ERJ6GEYJ824	M.RESISTOR CH1/10W 820K	1	
R40074		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40075		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40076		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R40077		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R40078		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R40079		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40080		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40081		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40082		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40083		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40084		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40085		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40086		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R40087		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R40088		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40089		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40090		ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R40091		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40092		ERJ6GEYJ274	M.RESISTOR CH1/10W 270K	1	
R40093		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40094		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40095		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R40096		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R40097		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40098		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R40099,00		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R40101		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40102		ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R40103		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40104		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40105		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40106		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R40107		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40108		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R40109		ERJ6GEYJ155	M.RESISTOR CH1/10W 1.5M	1	
R40110		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R40111		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R40112		ERJ6GEYJ155	M.RESISTOR CH1/10W 1.5M	1	
R40113,14		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R40115		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40116		ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R40117		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R40118		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R40119		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40120		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40121		ERJ6GEYJ155	M.RESISTOR CH1/10W 1.5M	1	
R40122		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R40123		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R40124		ERJ6GEYJ155	M.RESISTOR CH1/10W 1.5M	1	
R40125,26		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R40127		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40128		ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R40129		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R40130		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40131		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R40132		ERDS2TJ220	C.RESISTOR 1/4W 22	1	
R40133		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R40134		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40135		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40136		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40137		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40138		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R40139		ERDS1TJ100	C.RESISTOR 1/2W 10	1	
R40140		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40141		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40142-44		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	3	
R40145,46		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	2	
R40147		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40148		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R40149		ERDS1TJ100	C.RESISTOR 1/2W 10	1	
R40150		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40151		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40153,54		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R40157		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40164		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40168		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40170,71		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R40172-74		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	3	
R40199		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40200		ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R40201		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40202		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40203		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40204		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40205		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40206		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40207		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40208		ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R40209		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40210		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40211		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40212		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40213		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40214		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40215		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40501		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R40502		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R40503		ERJ6GEYJ151	M.RESISTOR CH1/10W 150	1	
R40504		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40505		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R40506-09		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R40510		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R40511		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40512		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40513,14		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R40515		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40516		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R40517		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40518		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
R40519		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40520		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40521		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40522		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R40523		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40524		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R40525		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
RY40501		VSY2067	RELAY	1	<R>
TG40001,02		VJR0098	TEST PIN	2	
TL40001,02		VLT0146	TRANSFORMER	2	<R>
TL40003		VLT0143	TRANSFORMER	1	<R>
TL40004,05		VLT0145	TRANSFORMER	2	<R>
VR40001-04		EVMF6SA00B23	V.RESISTOR 2K	4	
VR40005		EVMF6SA00B53	V.RESISTOR 5K	1	
VR40006,07		EVMF6SA00B23	V.RESISTOR 2K	2	
VR40010		EVMF6SA00B53	V.RESISTOR 5K	1	
VR40011,12		EVMF6SA00B15	V.RESISTOR 100K	2	
X40501		VSX0285	CRYSTAL OSCILLATOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
E63		VJF0553	P.C. SUPPORT	3	
E64		VKC0329	HINGE	3	
E65		VSC2106	SHIELD CASE (TOP)	1	
E66		VSC2107	SHIELD CASE (MAIN)	1	
E67		VSC2108	SHIELD CASE (BOTTOM)	1	
E68		VMP0902	ANGLE	1	
E69		VJF0818	WIRE CLAMP	4	
E70		VSC3236	SHIELD CASE (TOP)	1	
E71		VSC3237	SHIELD CASE (MAIN)	1	
E72		VSC3205	SHIELD CASE (BOTTOM)	1	
E73		XTV3+6F	SCREW	3	
	■	VEP04300A	AUDIO (2) C.B.A.		
C41001,02		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C41003,04		ECEA1CSN100	E.CAPACITOR 16V 10U	2	
C41005,06		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	2	
C41007-10		ECEA1CKA470	E.CAPACITOR 16V 47U	4	
C41011		ECEA1AKA330	E.CAPACITOR 10V 33U	1	
C41012		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C41013		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C41014		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C41015		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C41016		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C41017		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C41018		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C41019		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41021		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41022		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C41023		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41024		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41025		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C41026,27		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C41501		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C41502		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41504,05		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C41507		ECEA0JKS330	E.CAPACITOR 6.3V 33U	1	
C41508		ECEA1CP2220	E.CAPACITOR 16V 22U	1	
C41509		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41510		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C41511,12		ECEA1HPH3R3	E.CAPACITOR 50V 3.3U	2	
C41513		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C41514		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C41515		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41516		ECEA1EKA100	E.CAPACITOR 25V 10U	1	
C41517		ECEA1EPH4R7	E.CAPACITOR 25V 47U	1	
C41518		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C41519		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41520		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C41521		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C41522-24		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C41525		ECEA1EPH4R7	E.CAPACITOR 25V 47U	1	
C41526		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C41527		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C41528-30		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C41531		ECEA1APH101	E.CAPACITOR 10V 100U	1	
C41532		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C41533		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41534		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C41535		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C41536		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C41537		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C41538-40		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C41541		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C41542		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41543		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41544		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C41545		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C41546		ECEA1EPH4R7	E.CAPACITOR 25V 47U	1	
C41547-49		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C41550		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C41551		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C41552		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41553		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C41554		ECEA1EPH4R7	E.CAPACITOR 25V 47U	1	
C41555		ECEA1EKA100	E.CAPACITOR 25V 10U	1	
C41556		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C41557		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C41558		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41559,60		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	2	
C41561		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41562,63		ECEA1HKA010	E.CAPACITOR 50V 1U	2	
C41564		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41569		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41570		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41601		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41602		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C41603-06		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C41608		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41610		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C41611,12		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	2	
C41613,14		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C41615		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C41616		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
D41001,02		OA90	DIODE	2	<R>
D41003		MA3043	DIODE	1	<R>
D41004,05		OA90	DIODE	2	<R>
D41006		MA3043	DIODE	1	<R>
D41007,08		MA4068M	DIODE	2	<R>
D41010,11		MA157	DIODE	2	<R>
D41012		MA151K	DIODE	1	<R>
D41013,14		MA3030	DIODE	2	<R>
D41501		MA151K	DIODE	1	<R>
D41601		MA151WK	DIODE	1	<R>
FL41501		VLF0696	FILTER	1	
IC41001,02		MC14053BF	IC	2	<R>
IC41003,04		UPC4558G2	IC	2	<R>
IC41005		UPC393G	IC	1	<R>
IC41006		MC14053BF	IC	1	<R>
IC41007		UPC4558G2	IC	1	<R>
IC41008		RC2068MD	IC	1	<R>
IC41009		UPC4558G2	IC	1	<R>
IC41010		MC14053BF	IC	1	<R>
IC41501		BA7705K1	IC	1	<R>
IC41502		AN78N05	IC	1	<R>
IC41503		AN3912	IC	1	<R>
IC41601		BA7740FS	IC	1	<R>
L41001-04		VLQEL06F102K	COIL 1UH	4	
L41501-03		VLQ0460	COIL 100UH	3	
L41602,03		VLQ0460	COIL 100UH	2	
P41001		VJP1246T	CONNECTOR(MALE) 6P	1	
P41002		VJP1248T	CONNECTOR(MALE) 8P	1	
P41003		VJP1246R	CONNECTOR(MALE) 6P	1	
P41004		VJP1250T	CONNECTOR(MALE) 10P	1	
P41501		VJP1246R	CONNECTOR(MALE) 6P	1	
P41601		VJP1244T	CONNECTOR(MALE) 4P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q41001		2SD638	TRANSISTOR	1	(Q,R,S)<R>
Q41002		2SB710A	TRANSISTOR	1	(Q,R)<R>
Q41003		2SD1306	TRANSISTOR	1	<R>
Q41004		MSD601-R	TRANSISTOR	1	<R>
Q41005		2SD1306	TRANSISTOR	1	<R>
Q41006,07		MSD601-R	TRANSISTOR	2	<R>
Q41501,02		2SD1306	TRANSISTOR	2	<R>
Q41503,04		MSD601-R	TRANSISTOR	2	<R>
Q41505		MSB709-R	TRANSISTOR	1	<R>
Q41602		XN1501	TRANSISTOR-TRANSISTOR	1	<R>
QR41001		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR41501		MRN2403	TRANSISTOR-RESISTOR	1	<R>
QR41503		MRN2403	TRANSISTOR-RESISTOR	1	<R>
QR41504		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR41505		MRN2403	TRANSISTOR-RESISTOR	1	<R>
QR41601		MRN2402	TRANSISTOR-RESISTOR	1	<R>
QR41603		MRN1404	TRANSISTOR-RESISTOR	1	<R>
R41001		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R41002		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R41003		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R41004		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R41005-10		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	6	
R41013,14		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R41015		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41016,17		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R41019		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R41020		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41021		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41022		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41023		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R41024-26		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R41027		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R41028		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41029		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R41030		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41031		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41032		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R41033		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R41034		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41035		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41036		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41037		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R41038		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R41039		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41040		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41041		ERJ6GEYJ680	M.RESISTOR CH1/10W 68	1	
R41042		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R41043		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41044		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41045		VRE0034E302	M.RESISTOR 3K	1	
R41046		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41047		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R41048		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41049-51		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	3	
R41053-55		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R41056		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R41057		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R41058		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41059		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R41060,61		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R41062,63		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R41502,03		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R41504		ERJ6GEYJ225	M.RESISTOR CH1/10W 2.2M	1	
R41505		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R41507		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R41508,09		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R41510		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R41511,12		ERJ6GEYG821	M.RESISTOR CH1/10W 820	2	
R41513		ERJ6GEYG681	M.RESISTOR CH1/10W 680	1	
R41514		VRE0034E112	M.RESISTOR CH1/10W 1.1K	1	
R41515		VRE0034E103	M.RESISTOR CH1/10W 10K	1	
R41516		ERJ6GEYG183	M.RESISTOR CH1/10W 18K	1	
R41517		ERJ6GEYG562	M.RESISTOR CH1/10W 5.6K	1	
R41518		ERJ6GEYG104	M.RESISTOR CH1/10W 100K	1	
R41519		ERJ6GEYG303	M.RESISTOR CH1/10W 30K	1	
R41520		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R41521		VRE0034E393	M.RESISTOR CH1/10W 39K	1	
R41522,23		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R41524		VRE0034E223	M.RESISTOR CH1/10W 22K	1	
R41525		ERJ6GEYG163	M.RESISTOR CH1/10W 16K	1	
R41526		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R41527		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41528		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R41529		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41530,31		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R41532		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41533		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R41534		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R41535		ERJ6GEYG103	M.RESISTOR CH1/10W 10K	1	
R41536		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R41537		ERJ6GEYG303	M.RESISTOR CH1/10W 30K	1	
R41538		ERJ6GEYG104	M.RESISTOR CH1/10W 100K	1	
R41539		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41540		ERJ6GEYG562	M.RESISTOR CH1/10W 5.6K	1	
R41541		ERJ6GEYG183	M.RESISTOR CH1/10W 18K	1	
R41542		VRE0034E103	M.RESISTOR CH1/10W 10K	1	
R41543		VRE0034E112	M.RESISTOR CH1/10W 1.1K	1	
R41544		ERJ6GEYG681	M.RESISTOR CH1/10W 680	1	
R41545,46		ERJ6GEYG821	M.RESISTOR CH1/10W 820	2	
R41547		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R41548		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R41549,50		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R41551		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R41552,53		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R41554		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R41555,56		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R41557		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41558		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R41560		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R41562		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R41563		VRE0034E622	M.RESISTOR 6.2K	1	
R41564		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R41565		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R41566,67		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	2	
R41601		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41603,04		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R41606		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R41607		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R41608		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41609		ERJ6GEYG243	M.RESISTOR CH1/10W 24K	1	
R41610		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R41611		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R41613		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R41616		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R41617,18		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	2	
R41619		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R41620,21		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R41622		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R41623		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R41624		ERJ6GEYJ100	M.RESISTOR CH1/10W 10	1	
R41626,27		ERJ6GEYJ100	M.RESISTOR CH1/10W 10	2	
R41628,29		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
TG41501		VJR0098	TEST PIN	1	
TG41602		VJR0098	TEST PIN	1	
VR41001-03		EVN32CA00B53	V.RESISTOR 5K	3	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR41501		EVN32CA00B24	VARIABLE 20K	1	
VR41502		EVN32CA00B14	V.RESISTOR 10K	1	
VR41503		EVN32CA00B15	V.RESISTOR 100K	1	
VR41504		EVN32CA00B24	VARIABLE 20K	1	
VR41505		EVN32CA00B14	V.RESISTOR 10K	1	
VR41506		EVN32CA00B23	V.RESISTOR 2K	1	
VR41507-09		EVN32CA00B14	V.RESISTOR 10K	3	
			MISCLELLANEOUS		
E74		VSC2085	SHIELD CASE (TOP)	1	
E75		VSC2086	SHIELD CASE (BOTTOM)	1	
E76		VSC2419	SHIELD CASE (MAIN)	1	
	■	VEP06655B	INTERFACE C.B.A.		
C61001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C61002,03		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C61004		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C61005-07		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C61008		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C61009,10		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	2	
C61011		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C61012		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C61013		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	1	
C61014		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C61015		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C61016-21		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
D61001-03		11EQS04	DIODE	3	<R>
IC61001		HD641180XF6	IC	1	<R>
IC61002		VSI0735B	IC	1	<R>
IC61003		MBM221220	IC	1	<R>
IC61004		UPD65012FA19	IC	1	<R>
IC61005		TL7705CPSB	IC	1	<R>
IC61006		MC74HC4538F	IC	1	<R>
IC61007		MC74HC32AF	IC	1	<R>
IC61008		MC74HC02AF	IC	1	<R>
IC61009		MC74HC04AF	IC	1	<R>
IC61010		MC74HC14AF	IC	1	<R>
IC61011		MC34051M	IC	1	<R>
J61001-03		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
J61006,07		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
J61009		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L61001		VLQ0460	COIL	1	
L61002		VLQ0067	COIL	1	
L61003,04		VLP0054	COIL	2	
P61001		VJP2898B050	CONNECTOR(MALE) 50P	1	
P61002		VJP1246T	CONNECTOR(MALE) 6P	1	
P61003		VJS1441	CONNECTOR(FEMALE) 24P	1	
P61004		VJS2898B044	CONNECTOR(FEMALE) 44P	1	
P61005,06		VJP1244T	CONNECTOR(MALE) 4P	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q61001		MSB709-R	TRANSISTOR	1	<R>
R61001,02		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R61003,04		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R61005,06		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R61007-33		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	27	
R61034		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R61035		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R61036,37		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R61038,39		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
X61001		VSX0373	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E77		VML2143	P.C.BOARD PULLER	2	
E78		VJS2336A028	IC SOCKET	1	
E79		XYN26+C8	SCREW	2	
E80		XNG26E	NUT	4	
E81		XYN26+C12	SCREW	2	
	■	VEP03749A	VIDEO REC C.B.A.		
C30001-03		ECEA1AKA101	E.CAPACITOR 10V 100U	3	
C30004,05		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C30006		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C30007		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30008,09		ECEA1EU331	E.CAPACITOR 25V 330U	2	
C30010-12		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C30014		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30015		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C30016		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30017,18		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C30019		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30020		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C30021		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C30022		ECQB1H183JF	P.CAPACITOR 50V 0.018U	1	
C30023,24		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C30025		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C30026		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C30027		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C30028		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30029		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C30030		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30031		ECEA0JKA331	E.CAPACITOR 6.3V 330U	1	
C30032		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30033		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C30034		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C30035		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C30036		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C30037,38		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	2	
C30039		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C30040		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C30041,42		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C30043		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C30044		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C30045		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C30046		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C30047		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30048		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C30049-52		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C30053		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C30054-56		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C30057,58		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C30059		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C30060		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C30061		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C30062-64		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C30066		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30071		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C30072,73		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C30074		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C30075		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30076		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C30077		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C30078		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30083		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C30084		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C30085		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C30086		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C30087		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C30088		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C30089		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30090		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C30091		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C30092,93		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	2	
C30109		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C30110		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30111		ECQB1H123JF	P.CAPACITOR 50V 0.012U	1	
C30113		ECQB1H272JF	P.CAPACITOR 50V 2700P	1	
C30114,15		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C30116		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C30117		ECQB1H272JF	P.CAPACITOR 50V 2700P	1	
C30118		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C30119		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C30120		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30121		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C30122		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30123		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C30124		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C30125		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30126		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C30127-31		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C30134-36		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C30137		ECEA1HKAR47	E.CAPACITOR 50V 0.47U	1	
C30138		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30139		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C30140		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30141		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C30142		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C30202		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C30203-08		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	6	
C30209		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C30210		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C30301		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30302		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C30303		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30304		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C30305		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30306		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C30307		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30311-13		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C30314		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C30315		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30316		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C30317		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30318		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C30319		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30320		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C30321		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C30322		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C30324-27		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C30328		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C30329		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C33001		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33002		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C33003		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C33004		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C33005		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C33006		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33007		ECEA1AKA330	E.CAPACITOR 10V 33U	1	
C33008,09		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C33010		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33011		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33012		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33013		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33014,15		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C33016		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33017		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33018		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C33019		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33020		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C33021		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33022		ECQP1H102FZ	P.CAPACITOR 50V 1000P	1	
C33024		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33025		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33026		ECEA0JSN470	E.CAPACITOR 6.3V 47U	1	
C33027		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C33028		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C33029		ECEA0JSN470	E.CAPACITOR 6.3V 47U	1	
C33030		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33031		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33033		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33034		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33035		ECQB1H102JF	P.CAPACITOR 50V 1000P	1	
C33036		ECEA0JSN470	E.CAPACITOR 6.3V 47U	1	
C33037		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C33038		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33039		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33040		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C33041-44		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C33045		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33046		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33047		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33048		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C33049		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C33051		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C33052		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C33053		ECQP1H102FZ	P.CAPACITOR 50V 1000P	1	
C33054,55		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C33056		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C33057		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33058		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33059		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C33060		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C33061		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C33062		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C33063		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C33066		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C33067,68		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	2	
C35001,02		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C35003		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35004		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35005,06		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C35007,08		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C35009		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C35010		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C35011		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35012		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35013		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35014		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C35015-18		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	4	
C35020		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35021		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35022		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35023		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35024		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35025		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C35026		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C35027,28		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C35029		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35031		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C35032		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C35033		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C35034		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35035		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C35036		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35040		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35041		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35042		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35043		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35044		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35045		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35046		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C35047,48		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	2	
C35049		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C35201		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C35202		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35203,04		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C35205		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35206		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35207		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35208		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C35209,10		ECEA1HKA010	E.CAPACITOR 50V 1U	2	
C35211,12		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C35213		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35214		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35215,16		ECEA1HKN010	E.CAPACITOR 50V 1U	2	
C35217		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35218,19		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C35220		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C35221		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C35222		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35223		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C35224		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35225		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35227		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35232		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38001,02		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C38003-05		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C38006		ECQB1H224JF	P.CAPACITOR 50V 0.22U	1	
C38007		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38008		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C38009		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38010		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C38011		ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C38012		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C38013		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38014		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C38015		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C38016		ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C38017		ECQB1H224JF	P.CAPACITOR 50V 0.22U	1	
C38018		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C38019-24		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C38025		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38026,27		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38028,29		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C38030		ECEA1AKA330	E.CAPACITOR 10V 33U	1	
C38031		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38032		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38033		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38034		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38035		ECEA1HKS3R3	E.CAPACITOR 50V 3.3U	1	
C38036		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C38037		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C38038		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38039		ECEA1HKS3R3	E.CAPACITOR 50V 3.3U	1	
C38040		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38041		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38042		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38043		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C38044		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38045		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C38046		ECEA1HKS3R3	E.CAPACITOR 50V 3.3U	1	
C38047		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38048		ECEA1HKS3R3	E.CAPACITOR 50V 3.3U	1	
C38049		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38050		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C38051		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C38052		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C38054		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38055		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38056		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C38057		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38058		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38059		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38060		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38061		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C38062		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38067		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38069		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38070		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38071		ECEA1HKS3R3	E.CAPACITOR 50V 3.3U	1	
C38072		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C38073		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38074		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C38075		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38076		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C38077		ECEA1HKS3R3	E.CAPACITOR 50V 3.3U	1	
C38078,79		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C38080		ECEA1HKS3R3	E.CAPACITOR 50V 3.3U	1	
C38081		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38083		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C38088		ECEA1HKS3R3	E.CAPACITOR 50V 3.3U	1	
C38089,90		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38091		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38092		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C38093-95		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	
C38096		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38097		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C38098		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
D30001		MA151WA	DIODE	1	<R>
D30002-04		MA151K	DIODE	3	<R>
D30005		MA3051M	DIODE	1	<R>
D30101		MA3051M	DIODE	1	<R>
D33001-05		MA151K	DIODE	5	<R>
D35001		MA151K	DIODE	1	<R>
D35201		MA151K	DIODE	1	<R>
D38001		MA153	DIODE	1	<R>
D38002		MA151WK	DIODE	1	<R>
D38003,04		MA151K	DIODE	2	<R>
D38005		MA151WK	DIODE	1	<R>
D38006,07		MA151K	DIODE	2	<R>
D38008		1SS283	DIODE	1	<R>
D38009		MA151K	DIODE	1	<R>
D38010		1SS283	DIODE	1	<R>
D38011		MA151K	DIODE	1	<R>
DL38001		VLD0126	DELAY	1	
DL38002		VLD0127	DELAY LINE	1	
DL38003		VLD0153	DELAY	1	
DL38004		VLD0154	DELAY	1	
DL38005		VLD0129	DELAY	1	
DL38006		VLD0154	DELAY	1	
FL30001		VLF0639	FILTER	1	
FL30002		VLF0634	FILTER	1	
FL30003		VLF0633	FILTER	1	
FL30101		VLF0634	FILTER	1	
FL30201,02		VLF0634	FILTER	2	
FL30301,02		VLF0634	FILTER	2	
FL30303		VLF0633	FILTER	1	
FL30305,06		VLF0634	FILTER	2	
FL30307		VLF0633	FILTER	1	
FL33001		VLF0824	FILTER	1	
FL33002		ELB4M092	FILTER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
FL33003		VLD0126	DELAY	1	
FL33004		VLF0592	FILTER	1	
FL33006		VLD0126	DELAY	1	
FL38001		VLF0105	FILTER	1	
FL38002		ELB4L066	FILTER	1	
FL38003		VLF0102	FILTER	1	
IC30001		TA7348P	IC	1	<R>
IC30002		UPC4558G2	IC	1	<R>
IC30003		MC14053BF	IC	1	<R>
IC30004		AN6306S	IC	1	<R>
IC30005		RC082BM	IC	1	<R>
IC30006		AN78L05	IC	1	<R>
IC30007		CXD1175M	IC	1	<R>
IC30008		AN91A12S	IC	1	<R>
IC30010		TA7357P	IC	1	<R>
IC30102		MC74HC00AF	IC	1	<R>
IC30103		MN74HC221S	IC	1	<R>
IC30104		MC14538BF	IC	1	<R>
IC30105		MN74HC221S	IC	1	<R>
IC30107		AN612	IC	1	<R>
IC30108		RC082BM	IC	1	<R>
IC30109		MC14053BF	IC	1	<R>
IC30111		UPC358G2	IC	1	<R>
IC30201		MB604417PF	IC	1	<R>
IC30202,03		UPD42101G	IC	2	<R>
IC30204		MC74HC04AF	IC	1	<R>
IC30301		MB40778PF-TF	IC	1	<R>
IC30302		MC14053BF	IC	1	<R>
IC30303		MB40778PF-TF	IC	1	<R>
IC30304		MC14053BF	IC	1	<R>
IC30307,08		AN78N05	IC	2	<R>
IC30309		VCR0313	IC	1	<R>
IC33001		VCR0313	IC	1	<R>
IC33002		AN6306S	IC	1	<R>
IC33003		NJM2233BMA	IC	1	<R>
IC33004		LM324NS	IC	1	<R>
IC33005		MC14066BF	IC	1	<R>
IC33006		AN3232FB	IC	1	<R>
IC33007		VCR0308	IC	1	<R>
IC33008		MN74HC221S	IC	1	<R>
IC35001		AN6308S	IC	1	<R>
IC35201		TA7348P	IC	1	<R>
IC38001		M52057FP	IC	1	<R>
IC38002		MC74HC4053F	IC	1	<R>
IC38003		VCR0312	IC	1	<R>
IC38004		MC14013BF	IC	1	<R>
IC38007,08		AN78L05	IC	2	<R>
L30001-08		VLQ0460	COIL 100UH	8	
L30009		VLQEL05K470J	COIL 47UH	1	
L30010		VLP0054	COIL	1	
L30011		VLQEL05K121J	COIL 120UH	1	
L30012		VLQ0199	COIL	1	
L30016		VLQEL05K821J	COIL 820UH	1	
L30017		VLQ0460	COIL 100UH	1	
L30018		VLQEL05K271J	COIL 270UH	1	
L30103,04		VLQ0460	COIL 100UH	2	
L30105		VLQEL05K470J	COIL 47UH	1	
L30106		VLQEL05K181J	COIL 180UH	1	
L30107,08		VLP0017	COIL	2	
L30109,10		VLQ0460	COIL 100UH	2	
L30201,02		VLP0054	COIL	2	
L30203		VLP0017	COIL	1	
L30301,02		VLQ0460	COIL 100UH	2	
L30305		VLP0054	COIL	1	
L33001-07		VLQ0460	COIL 100UH	7	
L33009		VLQ0460	COIL 100UH	1	
L33011		VLQEL05K270J	COIL 27UH	1	
L33012		VLQEL05K560J	COIL 56UH	1	
L33013		VLQEL05K470J	COIL 47UH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L35001		VLQEL05K6R8J	COIL 6.8UH	1	
L35002		VLQEL05K820J	COIL 82UH	1	
L35003-06		VLQ0460	COIL 100UH	4	
L35007		VLQEL05K221J	COIL 220UH	1	
L35008		VLQEL05K330J	COIL 33UH	1	
L35009		VLQEL05K390J	COIL 39UH	1	
L35010		VLQEL05K220J	COIL 22UH	1	
L35011		VLQEL05K820J	COIL 82UH	1	
L35012		VLQEL05K271J	COIL 270UH	1	
L35013		VLQEL05K120J	COIL 12UH	1	
L35201-03		VLQ0460	COIL 100UH	3	
L35205,06		VLQ0460	COIL 100UH	2	
L38001		VLQEL05K221J	COIL 220UH	1	
L38002-05		VLQ0460	COIL 100UH	4	
L38006		VLQEL05K151J	COIL 150UH	1	
L38008		VLQ0460	COIL 100UH	1	
L38009		VLQEL05K470J	COIL 47UH	1	
L38010		VLQ0460	COIL 100UH	1	
L38011		VLQEL05K221J	COIL 220UH	1	
L38012		VLQEL05K470J	COIL 47UH	1	
P30001		VJP1145	CONNECTOR(MALE) 8P	1	
P30002		VJP2981A008	CONNECTOR(MALE) 8P	1	
P30003		VJP1239T	CONNECTOR(MALE) 12P	1	
P30004		VJP2981A005	CONNECTOR(MALE) 5P	1	
P33001		VJP1235T	CONNECTOR(MALE) 8P	1	
P35001		VJP1230T	CONNECTOR(MALE) 3P	1	
P35201		VJP1233T	CONNECTOR(MALE) 6P	1	
P38001		VJP2981A006	CONNECTOR(MALE) 6P	1	
P38002		VJP1233T	CONNECTOR(MALE) 6P	1	
Q30001		MSD601-R	TRANSISTOR	1	<R>
Q30002,03		MSC2295-B	TRANSISTOR	2	<R>
Q30004,05		2SA1022-C	TRANSISTOR CHIP	2	(B,C)<R>
Q30006,07		MSD601-R	TRANSISTOR	2	<R>
Q30008		MSB709-R	TRANSISTOR	1	<R>
Q30009		MSD601-R	TRANSISTOR	1	<R>
Q30010		MSB709-R	TRANSISTOR	1	<R>
Q30011,12		MSD601-R	TRANSISTOR	2	<R>
Q30013		MSB709-R	TRANSISTOR	1	<R>
Q30015		MSD601-R	TRANSISTOR	1	<R>
Q30016		MSB709-R	TRANSISTOR	1	<R>
Q30017,18		MSC2295-B	TRANSISTOR	2	<R>
Q30019		2SA1022-C	TRANSISTOR CHIP	1	(B,C)<R>
Q30020,21		MSD601-R	TRANSISTOR	2	<R>
Q30022		2SK198	TRANSISTOR CHIP	1	(Q,R,S)<R>
Q30023		MSD601-R	TRANSISTOR	1	<R>
Q30102,03		MSD601-R	TRANSISTOR	2	<R>
Q30304		MSB709-R	TRANSISTOR	1	<R>
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Q30308,09		MSB709-R	TRANSISTOR	2	<R>
Q33001		MSD601-R	TRANSISTOR	1	<R>
Q33002		MSC2295-B	TRANSISTOR	1	<R>
Q33003		MSD601-R	TRANSISTOR	1	<R>
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Q33005		2SD636	TRANSISTOR	1	(Q,R,S)<R>
Q33012		MSD601-R	TRANSISTOR	1	<R>
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Q33014,15		MSD601-R	TRANSISTOR	2	<R>
Q35001-03		MSD601-R	TRANSISTOR	3	<R>
Q35004		MSC2295-B	TRANSISTOR	1	<R>
Q35005		MSD601-R	TRANSISTOR	1	<R>
Q35009,10		MSD601-R	TRANSISTOR	2	<R>
Q35011		MSC2295-B	TRANSISTOR	1	<R>
Q35012		MSD601-R	TRANSISTOR	1	<R>
Q35014-17		MSD601-R	TRANSISTOR	4	<R>
Q35201-03		MSD601-R	TRANSISTOR	3	<R>
Q35204		MSC2295-B	TRANSISTOR	1	<R>
Q35205,06		MSD601-R	TRANSISTOR	2	<R>
Q35208		MSC2295-B	TRANSISTOR	1	<R>
Q35209		MSD601-R	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q35211		MSD601-R	TRANSISTOR	1	<R>
Q35212		MSC2295-B	TRANSISTOR	1	<R>
Q35213-15		MSD601-R	TRANSISTOR	3	<R>
Q35217		MSC2295-B	TRANSISTOR	1	<R>
Q38001		MSD601-R	TRANSISTOR	1	<R>
Q38002		MSB709-R	TRANSISTOR	1	<R>
Q38003,04		MSD601-R	TRANSISTOR	2	<R>
Q38007-11		MSD601-R	TRANSISTOR	5	<R>
Q38015,16		MSD601-R	TRANSISTOR	2	<R>
Q38017		MSB709-R	TRANSISTOR	1	<R>
Q38018-23		MSD601-R	TRANSISTOR	6	<R>
Q38024-32		MSC2295-B	TRANSISTOR	9	<R>
QR30001-03		MRN1403	TRANSISTOR-RESISTOR	3	<R>
QR30101		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR33001		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR33002		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR35201		MRN1403	TRANSISTOR-RESISTOR	1	<R>
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QR38001-04		MRN1404	TRANSISTOR-RESISTOR	4	<R>
QR38005		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR38006		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR38007		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR38008,09		MRN2404	TRANSISTOR-RESISTOR	2	<R>
QR38010		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR38011		MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR38012,13		MRN1404	TRANSISTOR-RESISTOR	2	<R>
R30001		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R30003,04		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R30005		ERJ6GEYJ121	M.RESISTOR CH1/10W 120	1	
R30006,07		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R30008		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R30009		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R30010		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R30011,12		ERJ6GEYG122	M.RESISTOR CH1/10W 1.2K	2	
R30013		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R30014		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R30015		ERJ6GEYJ150	M.RESISTOR CH1/10W 15	1	
R30016		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R30017		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R30018		ERJ6GEYJ150	M.RESISTOR CH1/10W 15	1	
R30019,20		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	2	
R30021		ERJ6GEYJ150	M.RESISTOR CH1/10W 15	1	
R30022		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R30023		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R30024		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R30025		ERJ6GEYJ150	M.RESISTOR CH1/10W 15	1	
R30026,27		ERJ6GEYG122	M.RESISTOR CH1/10W 1.2K	2	
R30028		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R30029		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R30030,31		ERJ6GEYG122	M.RESISTOR CH1/10W 1.2K	2	
R30032		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R30033,34		ERJ6GEYG122	M.RESISTOR CH1/10W 1.2K	2	
R30035		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R30036		ERJ6GEYG392	M.RESISTOR CH1/10W 3.9K	1	
R30037		ERJ6GEYJ124	M.RESISTOR CH1/10W 120K	1	
R30038		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R30039,40		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	2	
R30041		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R30042,43		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R30044		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R30045		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R30046		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R30047		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R30048		ERJ6GEYJ684	M.RESISTOR CH1/10W 680K	1	
R30049,50		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R30051		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R30052		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R30053		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R30054		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R30055		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R30056		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R30057		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R30058		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R30059,60		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R30061		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R30062		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R30063		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R30064		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R30065		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R30066		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R30067		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R30068		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R30069		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R30070		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R30071		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R30072		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R30073		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R30074		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R30075		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R30076		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R30077		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R30078		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R30079		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R30080		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R30081		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R30082		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R30083		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R30084		ERJ6GEYJ820	M.RESISTOR CH1/10W 82	1	
R30085		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R30087		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R30088		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R30090		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R30091,92		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	2	
R30093		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R30094		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R30095		ERJ6GEYJ124	M.RESISTOR CH1/10W 120K	1	
R30096		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R30097		ERJ6GEYJ474	M.RESISTOR CH1/10W 470K	1	
R30098		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R30099		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R30100		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R30111		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R30112		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R30113		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R30114		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R30115,16		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	2	
R30117		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R30118		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R30119		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R30120		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R30121		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R30122		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R30123		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R30124		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R30125,26		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R30127		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R30129		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R30130		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R30131		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R30132,33		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R30134		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R30135,36		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R30137		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R30138		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R30139		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R30140		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R30301		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R30302		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R30312		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R30315		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R30316		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R30317		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R30318		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R30321,22		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R30323		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R30329		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R30330		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R30331		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R33001		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33002		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R33003		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R33004		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R33005,06		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R33007		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33008		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R33009,10		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33011		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R33012		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R33013		ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R33014		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33017		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R33018		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33019		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R33020		EROS2CKF2200	M.RESISTOR 1/4W 220	1	
R33021		EROS2CKF1001	M.RESISTOR 1/4W 1K	1	
R33022		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R33023-26		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	4	
R33027		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33028		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33029		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33030		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R33031		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R33032		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33033		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R33034		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R33035		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R33037		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33045		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33046		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33047		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33048		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33049		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33050		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33051,52		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33053		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R33054		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33055,56		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	2	
R33058		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33059		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R33060		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R33061		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R33062		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33063		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R33064		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33065		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33066		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R33067		EROS2CKF1001	M.RESISTOR 1/4W 1K	1	
R33069		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R33070		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R33071		EROS2CKF1800	M.RESISTOR 1/4W 180	1	
R33072		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R33073		ERJ6GEYJ824	M.RESISTOR CH1/10W 820K	1	
R33074,75		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R33076		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33077		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33078-81		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	4	
R33082		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33084		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R33085		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33086,87		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	2	
R33088		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R33089		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R33090		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R35001		ERJ6GEYJ750	M.RESISTOR CH1/10W 75K	1	
R35002		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35003		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35004,05		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R35006		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35007		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R35008		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R35009		ERJ6GEYJ121	M.RESISTOR CH1/10W 120	1	
R35010,11		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	2	
R35012		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35013		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R35014		ERJ6GEYJ361	M.RESISTOR CH1/10W 360	1	
R35015		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R35016,17		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R35018		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R35019		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35020		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R35021		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35022		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R35023		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R35024		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35027,28		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R35029		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35031		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R35032		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R35033		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35034		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R35035		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35036		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35038,39		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R35040		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R35041		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R35042		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35043		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35044		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35045		ERJ6GEYJ151	M.RESISTOR CH1/10W 150	1	
R35046		ERJ6GEYJ750	M.RESISTOR CH1/10W 75K	1	
R35047		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35048		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35052,53		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R35054		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R35055		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35056		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35201		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35202		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35203		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35204		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35205,06		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R35207-09		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R35210,11		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R35212		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R35213		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R35214		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R35215		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R35216		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35217		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35218		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R35219		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R35220		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35222		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R35223		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R35224		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R35225		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R35227		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R35229		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R35230,31		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	2	
R35233		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R35235		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R35236		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R35238		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35239		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R35240		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R35241		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R35242		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R35243-45		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R35246		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35247		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R35248		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R35249		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35250,51		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R35258		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R35260		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35264,65		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R35266		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R38001		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38002		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R38003		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R38004		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R38005		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38006		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R38007		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38008		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R38009		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38010		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R38011		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R38012		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38013		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R38014		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38015		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38016		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38017		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R38018		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R38019		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38020		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38021		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38022		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38024		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38025		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38026		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38027		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38028		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38029		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38030		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38031		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38032		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38033		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R38034		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38035-38		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R38039		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R38040,41		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38042		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38043		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R38044		ERJ6GEYJ151	M.RESISTOR CH1/10W 150	1	
R38045		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38046-48		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R38049		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R38050		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R38051		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38052		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38053,54		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R38055		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38061		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38062		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R38063		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R38064		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38065		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38066		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38067		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R38068		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38070		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38071,72		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38073		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R38074		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38076		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38078,79		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R38080		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38081		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38082		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38083		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38084		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38085		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38086		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38087,88		ERDS2TJ335	C.RESISTOR 1/2W 3300K	2	
R38089		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38090		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38091		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R38092		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38093		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38094		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38099,00		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R38101,02		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	2	
R38103		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38104		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R38105		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38106		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38108		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38109		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38110		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38111		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38112		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38113		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R38114		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R38115		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38116		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38117		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38118		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38119		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38120		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38121		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38122		ERJ6GEYJ513	M.RESISTOR CH1/10W 51K	1	
R38123,24		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R38125		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38126,27		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R38128		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38130		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38131		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
TG30002		VJR0098	TEST PIN	1	
TG30101		VJR0098	TEST PIN	1	
TG33001,02		VJR0098	TEST PIN	2	
TG38001-03		VJR0098	TEST PIN	3	
VR30001		EVMF6SA00B24	V.RESISTOR 20K	1	
VR30002		EVMF6SA00B15	V.RESISTOR 100K	1	
VR30003		EVMF6SA00B24	V.RESISTOR 20K	1	
VR30004		EVMF6SA00B13	V.RESISTOR 1K	1	
VR30101		EVMF6SA00B53	V.RESISTOR 5K	1	
VR30301		EVMF6SA00B23	V.RESISTOR 2K	1	
VR33001		EVMF6SA00B13	V.RESISTOR 1K	1	
VR33002		EVMF6SA00B14	V.RESISTOR 10K	1	
VR33003		EVMF6SA00B13	V.RESISTOR 1K	1	
VR33004		EVMF6SA00B32	V.RESISTOR 300	1	
VR33006		EVMF6SA00B53	V.RESISTOR 5K	1	
VR33007,08		EVMF6SA00B54	V.RESISTOR 50K	2	
VR33010		EVMF6SA00B52	V.RESISTOR 500	1	
VR33011		EVMF6SA00B13	V.RESISTOR 1K	1	
VR33012		EVMF6SA00B14	V.RESISTOR 10K	1	
VR33013-15		EVMF6SA00B53	V.RESISTOR 5K	3	
VR35003		EVMF6SA00B13	V.RESISTOR 1K	1	
VR35201,02		EVMF6SA00B13	V.RESISTOR 1K	2	
VR38001		EVMF6SA00B14	V.RESISTOR 10K	1	
VR38002		EVMF6SA00B13	V.RESISTOR 1K	1	
VR38004		EVMF6SA00B13	V.RESISTOR 1K	1	
VR38005-07		EVMF6SA00B23	V.RESISTOR 2K	3	
VR38008-10		EVMF6SA00B13	V.RESISTOR 1K	3	
X30101		VSX0338	CRYSTAL OSCILLATOR	1	<R>
X38001		VSX0160	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E82		VSC3185	SHIELD CASE (TOP)	1	
E83		VSC3201	SHIELD CASE (MAIN)	1	
E84		VSC3186	SHIELD CASE (BOTTOM)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E85		VMX0985	SPACER	1	
	■	VEP03750A	VIDEO PB C.B.A.		INCLUDING THE
					ACC SW C.B.A.
					(VEP00R26A)
					PB Y SUB (1) C.B.A.
					(VEP00R47A)
					PB Y SUB (2) C.B.A.
					(VEP00R52A)
C33501		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C33502		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33503		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C33505,06		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C33508		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C33509		ECEA0JSN470	E.CAPACITOR 6.3V 47U	1	
C33510,11		ECEA1AKA220	E.CAPACITOR 10V 22U	2	
C33512		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C33513		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33514		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C33515		ECEA0JKN470	E.CAPACITOR 6.3V 47U	1	
C33516		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C33519		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33520		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33521		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C33522		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33523		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C33524,25		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C33526		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C33527		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33528		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C33529		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C33530		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33531,32		ECEA1HKA010	E.CAPACITOR 50V 1U	2	
C33533		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33534		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33535		ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	1	
C33536		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33537		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33538		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33539		ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	1	
C33540		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C33541		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33542		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C33543		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C33544		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33545		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33546		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33547		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C33549		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33550		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C33552		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C33554		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33555		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33556		ECEA0JSN470	E.CAPACITOR 6.3V 47U	1	
C33557		ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C33559		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C33560		ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C33562		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C33563		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C33564		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C33565		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33566		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33568		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33569		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33570		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33571		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C33572		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C33573		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C33575		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C33578		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C33579		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C33580		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C33581		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33701		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33702		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33703		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33704-06		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C33707		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C33708,09		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C33710		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C33711		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33712		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33713		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33714		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C33715,16		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C33717		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33718		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C33719		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33720		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C33721		ECEA0JSN470	E.CAPACITOR 6.3V 47U	1	
C33722		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C33723		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33724		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33725,26		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C33727		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33729		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33731		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33732,33		ECEA0JKA101	E.CAPACITOR 6.3V 100U	2	
C33734		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33809		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33810		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33811		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C33812		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C33813		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C33814,15		ECEA1HKN010	E.CAPACITOR 50V 1U	2	
C33816		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C33817		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33818		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33819		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33820		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33821		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33822,23		ECEA0JKA101	E.CAPACITOR 6.3V 100U	2	
C33824,25		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C33828-30		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	3	
C33831		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C33835		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C33836		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C33837		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33839		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C33840		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C33841		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C33843		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C33844,45		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C33846		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C33847		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33848		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33849		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33852,53		ECEA0JSN470	E.CAPACITOR 6.3V 47U	2	
C33854		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33856		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C33857		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33858		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33862		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33863		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33864		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33868		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C33869		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C33870		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33871		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C33872		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C33873,74		ECEA0JKA221	E.CAPACITOR 6.3V 220U	2	
C33875		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C33876		ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C33878		ECEA0JKK100	E.CAPACITOR 6.3V 10U	1	
C33879		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33880,81		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C33883		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C33884		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33885		ECEA1HKN0R1	E.CAPACITOR 50V 0.1U	1	
C34001-06		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C34007		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C34008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C34101		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C34102		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C34103		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C34104		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C34105		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C34106		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C34107,08		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C34109		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C34110		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C34111		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C34112		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C34113		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C34114		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C34115,16		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C34117		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C34118		ECEA1HKAR47	E.CAPACITOR 50V 0.47U	1	
C34119		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C34120		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C34121		ECUM1H681JCN	C.CAPACITOR CH 50V 680P	1	
C34122		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C34123		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C34124		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C34125		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C34126		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C34127		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C34128		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C34129,30		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C34131,32		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C34133		ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C35701		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C35702		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35703		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C35704		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C35705		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35706		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C35707		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C35709		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35710		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C35711		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35712		ECEA1AKN100	E.CAPACITOR 10V 10U	1	
C35713		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35714		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35715		ECEA1AKN100	E.CAPACITOR 10V 10U	1	
C35716,17		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	2	
C35718		ECQP1H911GZ	P.CAPACITOR 50V 910P	1	
C35719		ECCF1H560JC	C.CAPACITOR 50V 56P	1	
C35720		ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C35721		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35722		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C35723		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C35724		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35725		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35727		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35728,29		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35730		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35731-33		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	
C35734		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C35735,36		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35737		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35738		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C35739		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35740		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C35741-43		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C35744		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C35745		ECQP1H471GZ	P.CAPACITOR 50V 470P	1	
C35746		ECQP1H151GZ	P.CAPACITOR 50V 150P	1	
C35747		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C35748		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35749		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35750		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35751,52		ECEA0JKA101	E.CAPACITOR 6.3V 100U	2	
C35753		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35755		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35756		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35757		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35758-60		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	
C35763		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35765		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35766		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35768		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C35771		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35778		ECCF1H560JC	C.CAPACITOR 50V 56P	1	
C35780		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C35901		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35902		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C35905		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35906		ECEA1HKS3R3	E.CAPACITOR 50V 3.3U	1	
C35907-09		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C35910		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35912,13		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C35914,15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35916		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C35917-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C35921		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C35922		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35923		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35924		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35925		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C35926		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C35927		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35928		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38401		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38402,03		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38404		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C38405,06		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38407		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C38408		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38409		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C38410,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38412		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38413-15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C38416		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C38417-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C38421		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38422		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38423		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C38424		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38501-04		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	4	
C38505		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C38506		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C38507,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38509		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38510		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C38511,12		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38513		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C38514		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C38515,16		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C38517		ECQB1H153JF	P.CAPACITOR 50V 0.015U	1	
C38518		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38521		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38522		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38523		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38524,25		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38526		ECQB1H224JF	P.CAPACITOR 50V 0.22U	1	
C38527		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38528		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38529		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38530		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C38531		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C38532		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C38534,35		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38536		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38537		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38538		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C38539		ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C38540		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C38541		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C38542		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38543		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C38544		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38545		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C38546		ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C38547		ECQB1H124JF	P.CAPACITOR 50V 0.12U	1	
C38548		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C38549		1ECEA1AKA330	E.CAPACITOR 10V 33U	1	
C38550,51		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C38552		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38553		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38554		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38555,56		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38558-60		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C38561		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C38562		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38563		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38564		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C38566		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38567		ECEA1HKS3R3	E.CAPACITOR 50V 3.3U	1	
C38568		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C38569		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38570		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38571		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38572		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38573-75		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C38576		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38577		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38578		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38579		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C38580		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C38581		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38582		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38583,84		ECST1VY224	T.CAPACITOR 35V 0.22U	2	
C38585		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C38586		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38589		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C38590		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38591,92		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C38607		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38609		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C38610		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38611		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C38612		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38613		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C38614		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38615		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C38616		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38617		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38618		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38619,20		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C38621		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38622		ECEA1CN101S	E.CAPACITOR 16V 100U	1	
C38623		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C38626		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38627,28		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C38629		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38630		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C38631		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38633		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C38705		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C38707		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C38708		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38709-11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C38712		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C38713		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C38714		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38715		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C38716		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38717		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C38718		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38719		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38720		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38721		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38722		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38723		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C38724		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38725		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38726		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C38727		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C38728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38729		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38730		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C38731		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C38732		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38733		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C38734,35		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	2	
C38737		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38740		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38741		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C38742		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38743		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C38745		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38747		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38748		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C38749,50		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	2	
C38751		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38752,53		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	2	
C38754		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C38755-57		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C38758		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38759		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38760		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C38762		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38763,64		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	2	
C38765,66		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	2	
C38767		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38768		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C38769		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C38770		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38771		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C38772		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C38773-76		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C38777		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C38778		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38779		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C38780		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38782		ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C38783		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38785		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38787,88		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C38789		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C38790		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38791		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C38792		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38793		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38794		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38795		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38796,97		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38798		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C38799		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C38800-03		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C38804		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38805-08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C38809		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38810		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C38811		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38812		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38814		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C38815		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
CT34101		ECV1ZW20X64T	V.CAPACITOR 20P	1	
CT38501		ECV1ZW30X64T	V.CAPACITOR 30P	1	
D33501		MA151K	DIODE	1	<R>
D33503		1SS283	DIODE	1	<R>
D33507		1SS283	DIODE	1	<R>
D33701		MA151WK	DIODE	1	<R>
D33801,02		1SS283	DIODE	2	<R>
D33803		MA157	DIODE	1	<R>
D33804		MA151K	DIODE	1	<R>
D34001		MA151K	DIODE	1	<R>
D34101		MA29WA	DIODE	1	<R>
D35702		MA151K	DIODE	1	<R>
D35901		MA151K	DIODE	1	<R>
D38401		MA3100L	DIODE	1	<R>
D38501-03		MA151K	DIODE	3	<R>
D38505		MA151WK	DIODE	1	<R>
D38507,08		MA151K	DIODE	2	<R>
D38510		MA151K	DIODE	1	<R>
D38511		MA151WK	DIODE	1	<R>
D38512-15		MA151K	DIODE	4	<R>
D38703		MA151WK	DIODE	1	<R>
D38704		MA151K	DIODE	1	<R>
DL33501		VLF0824	FILTER	1	
DL33503		ELB4D015	FILTER	1	
DL33504		VLD0125	DELAY LINE	1	
DL33506		VLD0125	DELAY LINE	1	
DL33507,08		VLF0824	FILTER	2	
DL38501		VLD0132B	DELAY	1	
DL38504		VLD0130	DELAY	1	
DL38701,02		VLD0153	DELAY	2	
DL38704		VLD0129	DELAY	1	
DL38705		VLD0121B	DELAY	1	
FL33501		VLF0878	FILTER	1	
FL33502		ELB4M066	FILTER	1	
FL33701		ELB4S036	FILTER	1	
FL33702,03		ELB4R042	FILTER	2	
FL33704		VLF0823	FILTER	1	
FL33705		VLF0526	FILTER	1	
FL33801		VLD0202	FILTER	1	
FL33802		VLF0824	FILTER	1	
FL35701		VLF0592	FILTER	1	
FL35702		VLF0878	FILTER	1	
FL35901		ELB5A052	FILTER	1	
FL35902		ELB4R031	FILTER	1	
FL38501		VLF0102	FILTER	1	
FL38502		VLF0105	FILTER	1	
FL38503		VLF0882	FILTER	1	
FL38701		VLF0729	FILTER	1	
FL38702,03		ELB4R042	FILTER	2	
IC33501,02		BA7605N	IC	2	<R>
IC33503		TA7357P	IC	1	<R>
IC33504		VCR0308	IC	1	<R>
IC33505		VCR0313	IC	1	<R>
IC33701		AN3470SC	IC	1	<R>
IC33702		VCR0299	IC	1	<R>
IC33703		VCR0313	IC	1	<R>
IC33802		BA7603F	IC	1	<R>
IC33803		NJM592M8	IC	1	<R>
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IC33806		BA7603F	IC	1	<R>
IC34101		MN1280P	IC	1	<R>
IC34102		M50455-121SP	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC34103		NJM2217L	IC	1	<R>
IC35701		SN76670N	IC	1	<R>
IC35702		AN6308S	IC	1	<R>
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IC35705		NJM2233BMA	IC	1	<R>
IC35706		NJM592M8	IC	1	<R>
IC35707		AN78L09	IC	1	<R>
IC35708		NJM592M8	IC	1	<R>
IC35901		M52054FP	IC	1	<R>
IC38401		MST003MS	IC	1	<R>
IC38402,03		MSM6850MS	IC	2	<R>
IC38501		M52057FP	IC	1	<R>
IC38502-05		NJM2233BMA	IC	4	<R>
IC38506		VCR0312	IC	1	<R>
IC38507		NJM2233BMA	IC	1	<R>
IC38508,09		AN78L05	IC	2	<R>
IC38701		AN3470SC	IC	1	<R>
IC38702		AN3496S	IC	1	<R>
IC38703		AN3495S	IC	1	<R>
IC38704		VCR0300	IC	1	<R>
IC38705		NJM2233BMA	IC	1	<R>
IC38707		NJM2233BMA	IC	1	<R>
J35701		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L33501		VLQ0460	COIL 100UH	1	
L33502		VLQEL05K8R2J	COIL 8.2UH	1	
L33503,04		VLQ0460	COIL 100UH	2	
L33505		VLQEL05K330J	COIL 33UH	1	
L33506		VLQ0460	COIL 100UH	1	
L33507,08		VLQEL05K560J	COIL 56UH	2	
L33509,10		VLQ0460	COIL 100UH	2	
L33511		ELJFA101JF	COIL 100UH	1	
L33513,14		VLQ0460	COIL 100UH	2	
L33516		VLQ0460	COIL 100UH	1	
L33517		VLQEL05K121J	COIL 120UH	1	
L33518		VLQEL05K680J	COIL 68UH	1	
L33519		VLQEL05K470J	COIL 47UH	1	
L33520		VLQEL05K560J	COIL 56UH	1	
L33701-05		VLQ0460	COIL 100UH	5	
L33803-05		VLQ0460	COIL 100UH	3	
L33806		VLQEL05K221J	COIL 220UH	1	
L33807,08		VLQ0460	COIL 100UH	2	
L33810		VLQ0460	COIL 100UH	1	
L34001		VLQ0460	COIL 100UH	1	
L34101		VLQEL05K150J	COIL 15UH	1	
L34102-06		VLQ0460	COIL 100UH	5	
L34107,08		VLQEL05K560J	COIL 56UH	2	
L35701,02		VLQ0460	COIL 100UH	2	
L35704-09		VLQ0460	COIL 100UH	6	
L35711,12		VLQ0460	COIL 100UH	2	
L35901		VLQEL05K471J	COIL 470UH	1	
L35902		VLQEL05K100J	COIL 10UH	1	
L35903		VLQEL05K390J	COIL 100UH	1	
L35904,05		VLQ0460	COIL 100UH	2	
L38401		VLQ0460	COIL 100UH	1	
L38402,03		VLQEL05K2R2J	COIL 2.2UH	2	
L38404		VLQ0460	COIL 100UH	1	
L38501		VLQ0460	COIL 100UH	1	
L38502		VLQEL05K821J	COIL 820UH	1	
L38503		VLQ0460	COIL 100UH	1	
L38504		VLQEL05K151J	COIL 150UH	1	
L38505		VLQEL05K681J	COIL 680UH	1	
L38506,07		VLQEL05K121J	COIL 120UH	2	
L38508-10		VLQ0460	COIL 100UH	3	
L38511		VLQEL05K120J	COIL 12UH	1	
L38512		VLQEL05K331J	COIL 330UH	1	
L38514-16		VLQ0460	COIL 100UH	3	
L38517,18		VLQEL05K150J	COIL 15UH	2	
L38522		VLQEL05K470J	COIL 47UH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L38523		VLQEL05K331J	COIL 330UH	1	
L38525		VLQEL05K471J	COIL 470UH	1	
L38526,27		VLQEL05K470J	COIL 47UH	2	
L38701,02		VLQ0460	COIL 100UH	2	
L38703		VLQEL05K680J	COIL 68UH	1	
L38704		VLQ0460	COIL 100UH	1	
L38705,06		VLQEL05K680J	COIL 68UH	2	
L38707		VLQEL05K270J	COIL 27UH	1	
L38708		VLQEL05K680J	COIL 68UH	1	
L38709		VLQEL05K270J	COIL 27UH	1	
L38710,11		VLQEL05K181J	COIL 180UH	2	
L38712		VLQEL05K470J	COIL 47UH	1	
L38713		VLQEL05K100J	COIL 10UH	1	
L38714		VLQ0460	COIL 100UH	1	
L38715		VLQEL05K121J	COIL 120UH	1	
L38716,17		VLQEL05K150J	COIL 15UH	2	
L38718,19		VLQ0460	COIL 100UH	2	
L38720		VLQEL05K101J	COIL 100UH	1	
L38721		VLQ0460	COIL 100UH	1	
L38722		VLQEL05K470J	COIL 47UH	1	
L38723		VLQEL05K270J	COIL 27UH	1	
L38725		VLQEL05K270J	COIL 27UH	1	
P34001		VJP1235T	CONNECTOR(MALE) 8P	1	
P34002		VJP1234T	CONNECTOR(MALE) 7P	1	
P34003		VJP1145	CONNECTOR(MALE) 8P	1	
P34004,05		VJP2981A005	CONNECTOR(MALE) 5P	2	
P34006		VJP2981A008	CONNECTOR(MALE) 8P	1	
P34007		VJP2981A009	CONNECTOR(MALE) 9P	1	
P34008		VJP2981A006	CONNECTOR(MALE) 6P	1	
P34009		VJP1235T	CONNECTOR(MALE) 8P	1	
P34010		VJP1145	CONNECTOR(MALE) 8P	1	
P34011		VJP2981A006	CONNECTOR(MALE) 6P	1	
P34012		VJP1229T	CONNECTOR(MALE) 2P	1	
P35701		VJP1230T	CONNECTOR(MALE) 3P	1	
P35901		VJP1237T	CONNECTOR(MALE) 10P	1	
P35902		VJP1235T	CONNECTOR(MALE) 8P	1	
P38501		VJP2981A006	CONNECTOR(MALE) 6P	1	
P38502		VJP1233T	CONNECTOR(MALE) 6P	1	
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Q33506		MSD601-R	TRANSISTOR	1	<R>
Q33507		2SD636	TRANSISTOR	1	(Q,R,S)<R>
Q33508		MSC2295-B	TRANSISTOR	1	<R>
Q33509		2SA1022-C	TRANSISTOR CHIP	1	(B,C)<R>
Q33510		MSD601-R	TRANSISTOR	1	<R>
Q33511,12		MSB709-R	TRANSISTOR	2	<R>
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Q33521		MSC2295-B	TRANSISTOR	1	<R>
Q33522,23		MSB709-R	TRANSISTOR	2	<R>
Q33524		MSD601-R	TRANSISTOR	1	<R>
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Q33530,31		MSD601-R	TRANSISTOR	2	<R>
Q33532		MSC2295-B	TRANSISTOR	1	<R>
Q33533		2SA1022-C	TRANSISTOR CHIP	1	(B,C)<R>
Q33701		MSD601-R	TRANSISTOR	1	<R>
Q33702		MSB709-R	TRANSISTOR	1	<R>
Q33703		MSC2295-B	TRANSISTOR	1	<R>
Q33704		MSD601-R	TRANSISTOR	1	<R>
Q33705		MSC2295-B	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q33706,07		MSD601-R	TRANSISTOR	2	<R>
Q33708		MSB709-R	TRANSISTOR	1	<R>
Q33709,10		MSD601-R	TRANSISTOR	2	<R>
Q33712,13		MSB709-R	TRANSISTOR	2	<R>
Q33715		MSC2295-B	TRANSISTOR	1	<R>
Q33716		MSB709-R	TRANSISTOR	1	<R>
Q33717		MSD601-R	TRANSISTOR	1	<R>
Q33801		MSD601-R	TRANSISTOR	1	<R>
Q33802		MSC2295-B	TRANSISTOR	1	<R>
Q33803		2SA1022-C	TRANSISTOR CHIP	1	(B,C)<R>
Q33804		MSD601-R	TRANSISTOR	1	<R>
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Q33806		MSD601-R	TRANSISTOR	1	<R>
Q33807		MSC2295-B	TRANSISTOR	1	<R>
Q33808,09		MSD601-R	TRANSISTOR	2	<R>
Q33810		MSC2295-B	TRANSISTOR	1	<R>
Q33811		MSD601-R	TRANSISTOR	1	<R>
Q33812		MSC2295-B	TRANSISTOR	1	<R>
Q33813		2SA1022-C	TRANSISTOR CHIP	1	(B,C)<R>
Q33814		MSD601-R	TRANSISTOR	1	<R>
Q33815,16		MSB709-R	TRANSISTOR	2	<R>
Q33819,20		MSB709-R	TRANSISTOR	2	<R>
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Q33830		2SA1022-C	TRANSISTOR CHIP	1	(B,C)<R>
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Q34104-06		MSB709-R	TRANSISTOR	3	<R>
Q34107		MSC2295-B	TRANSISTOR	1	<R>
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Q35901-05		MSD601-R	TRANSISTOR	5	<R>
Q38401-03		MSD601-R	TRANSISTOR	3	<R>
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Q38726		MSB709-R	TRANSISTOR	1	<R>
Q38727		MSC2295-B	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q38728,29		MSD601-R	TRANSISTOR	2	<R>
Q38730,31		MSC2295-B	TRANSISTOR	2	<R>
QR33502-05		MRN1404	TRANSISTOR-RESISTOR	4	<R>
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QR33701		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR33702		MRN2404	TRANSISTOR-RESISTOR	1	<R>
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QR33802-04		MRN1404	TRANSISTOR-RESISTOR	3	<R>
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QR34001,02		MRN1403	TRANSISTOR-RESISTOR	2	<R>
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QR35906		MRN2402	TRANSISTOR-RESISTOR	1	<R>
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QR38531,32		MRN2404	TRANSISTOR-RESISTOR	2	<R>
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R33501		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R33502		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33503		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R33504		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33505		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33506		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33509,10		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R33511		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R33512		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33513		ERJ6GEYJ124	M.RESISTOR CH1/10W 120K	1	
R33515		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33516		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33517		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33518		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33519		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33520		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R33521		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R33522		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33523		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R33524		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33525		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R33526		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33527		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R33530		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R33531		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33532		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R33533		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33534		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R33535		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33536		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33537		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33538		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33539		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R33540		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33541,42		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R33543		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33544		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33545		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R33546		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33547		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R33548		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33549		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R33550,51		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33552		ERJ6GEYG132	M.RESISTOR CH1/10W 1.3K	1	
R33553		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33555,56		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	2	
R33558		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R33559		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33560		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33562		ERJ6GEYJ474	M.RESISTOR CH1/10W 470K	1	
R33563		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33564		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R33565		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33566		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33569		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R33570		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R33571,72		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33574-76		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R33578		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R33579		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33580		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33581		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R33582		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33584		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33585		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R33586		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R33587		ERJ6GEYJ121	M.RESISTOR CH1/10W 120	1	
R33589		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R33590		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R33591		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R33592		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R33593		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33594		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33595		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33596		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33597		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R33598		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33599		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33600		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33601		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33602		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33603		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33604,05		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	2	
R33606		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R33607		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33608		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R33609		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33610,11		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33612		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R33614,15		ERJ6GEYJ270	M.RESISTOR CH1/10W 27M	2	
R33618		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33621-23		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R33624		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33701		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33702		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33703		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33704		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R33705		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33706		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R33707		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R33708		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33709		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R33710,11		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R33712		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R33713		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33714		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33715		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33716		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R33717		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R33718		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33719,20		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R33721,22		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33723		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33724		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R33725		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R33726,27		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33728		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33729		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33730		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33731		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33732		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33734		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33735		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33736		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33737,38		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	2	
R33739		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33740		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R33741		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33742		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33743		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33744		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33745,46		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	2	
R33747		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33748		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R33749,50		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R33751		ERJ6GEYJ121	M.RESISTOR CH1/10W 120	1	
R33752		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R33753		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33754		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33755,56		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33757		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33758		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33759		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R33760		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R33761		ERJ6GEYJ820	M.RESISTOR CH1/10W 82	1	
R33762		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33763		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R33764		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R33765		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33766		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33769		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R33806-08		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	3	
R33809		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R33810		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33811,12		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	2	
R33813		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R33814		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R33815		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33816		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33817		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R33818		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33819		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33821		ERJ6GEYJ820	M.RESISTOR CH1/10W 82	1	
R33822		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33823		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33824		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33825		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R33826		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R33827		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33828		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33830		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R33831		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R33832		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33833		ERJ6GEYJ151	M.RESISTOR CH1/10W 150	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R33834		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R33835,36		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R33837		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33838		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33839		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R33840		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33841,42		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R33843		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R33844		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R33845		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33846		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33847		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33849,50		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33851		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33852		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R33853		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R33854		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33855		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R33856		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R33857		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R33858		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R33859		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33860		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33861		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R33869		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R33870		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R33871		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33872		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33873,74		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33875		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R33876		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33884		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33893		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33894		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33895		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R33896		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33901		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33902		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R33903		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R33904		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R33905		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R33906		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33907		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R33908		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33909		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33910		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33911		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33912		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R33913		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33914		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33915		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R33916		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R33920		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33921		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33922		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R33923		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R33924		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33925		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R33926		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R33927		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R33928		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R33929		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R33935		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R34001		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R34002		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R34003		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R34004		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R34009		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R34010,11		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R34012		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R34013		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R34016		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R34101		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R34102		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R34103		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R34104		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R34105		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R34106		ERJ6GEYJ274	M.RESISTOR CH1/10W 270K	1	
R34107		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R34108		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R34109		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R34110		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R34111		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R34112,13		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	2	
R34114		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R34115		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R34116,17		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R34118		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R34119		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R34120		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R34121		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R34122		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R34123		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R34124		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R34125		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R34126		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R34127		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R34128		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R34129,30		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R34131		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R34132		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R34133		ERJ6GEYG243	M.RESISTOR CH1/10W 24K	1	
R34134		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R34135		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R34136		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R34137		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R34139		ERJ6GEYJ335	M.RESISTOR CH1/10W 3.3M	1	
R34140		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R34141		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R34142		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R34143		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R35701,02		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R35703		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R35704		ERJ6GEYG513	M.RESISTOR CH1/10W 51K	1	
R35705		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R35706		ERJ6GEYG513	M.RESISTOR CH1/10W 51K	1	
R35707,08		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	2	
R35709,10		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	2	
R35711		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35712		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R35713		ERJ6GEYJ121	M.RESISTOR CH1/10W 120	1	
R35714		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35715,16		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R35717		ERJ6GEYG470	M.RESISTOR CH1/10W 47	1	
R35718,19		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	2	
R35720		ERJ6GEYG470	M.RESISTOR CH1/10W 47	1	
R35721		EROS2CKF1001	M.RESISTOR 1/4W 1K	1	
R35722		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R35723		EROS2CKF2700	M.RESISTOR 1/4W 270	1	
R35724		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R35725		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35726,27		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R35728		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35729		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35730,31		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R35732		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R35734,35		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R35736		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R35737		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35738		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35739		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35740		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35741		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R35742		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R35743		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35744		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R35745		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R35746		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35747		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R35748		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R35750		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R35751		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R35753		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R35754,55		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	2	
R35756		EROS2CKF1501	M.RESISTOR 1/4W 1.5K	1	
R35757		EROS2CKF2700	M.RESISTOR 1/4W 270	1	
R35758-61		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	4	
R35762		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R35764,65		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R35766		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R35767		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35768		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35769		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35770		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R35792		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R35793		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35901		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35903		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35904		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R35905,06		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R35907		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R35908		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35909		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35910		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35911		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35912		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35913		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35914		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35915		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R35916		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35917		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R35918-20		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R35921		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35922,23		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R35925		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35926		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38401		ERJ6GEYJ432	M.RESISTOR CH1/10W 4.3K	1	
R38402		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38403		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38404		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R38405		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38406		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R38407		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R38408,09		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R38410		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R38411		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R38501		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38502		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R38503		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38504		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38505,06		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R38507		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38508		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38509		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R38510		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38511		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38512,13		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R38514		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38515,16		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	2	
R38517		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38518		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38519		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38520		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38521,22		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R38523		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38524		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38525		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38526		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38527		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38531		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38532		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R38533		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38534		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38535		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38536		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R38537		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38538,39		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R38540		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R38541		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38542		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38543		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38544		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38545		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R38546		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R38547		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R38548		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38549		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R38550		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38551		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38552		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38553,54		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38555		ERJ6GEYJ513	M.RESISTOR CH1/10W 51K	1	
R38556		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38557		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R38558		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38559,60		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38561		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38562		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R38563		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38564,65		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38566		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38567,68		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38569		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38570-72		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R38573		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38574		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R38575		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38576		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38577		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38578-80		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R38582		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R38583		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38584		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38585		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38586		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38587		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R38588		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38589		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38590		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38592		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38593		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R38594		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38595		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R38596		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38597		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R38598		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38599,00		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R38601,02		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R38603		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38604,05		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	2	
R38606,07		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R38608		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38609		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38610		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R38619		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38622		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38624		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R38625,26		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38627		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
R38628		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R38629		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38630		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38631		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38632,33		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38635		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R38636		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R38637		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38639		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R38640		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38641,42		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38643		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R38644		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38645		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R38647		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38650		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38651		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38652		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38653		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38654		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38655,56		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R38657		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38658		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38659		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38660		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38661		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38663		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38664,65		ERJ6GEYJ820	M.RESISTOR CH1/10W 82	2	
R38666		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R38667		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38668		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R38669		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38670,71		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R38672		ERJ6GEYJ202	M.RESISTOR CH1/10W 2K	1	
R38673		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R38674		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38675		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38676		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38677		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38678,79		ERJ6GEYJ335	M.RESISTOR CH1/10W 3.3M	2	
R38681		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38701		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R38702		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38703		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38704		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38705		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R38706		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38707		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38708		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38709		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R38710		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38711		ERJ6GEYJ621	M.RESISTOR CH1/10W 620	1	
R38712		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38713		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R38714-20		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	7	
R38721		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38722		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R38723		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38724		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38725-28		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	4	
R38729		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38730		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R38731		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38732		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38733		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R38734		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38736		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38737		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38740		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38741		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38742		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38743		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38745		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38746		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38747		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38748		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38749		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38750		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38751		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38752		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38753		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38754		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R38755		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R38756		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38757		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38758		ERJ6GEYJ121	M.RESISTOR CH1/10W 120	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R38759		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38760		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38761		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38762		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38763		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38765-67		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R38768		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38769		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38770		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38771-73		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	3	
R38776		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38777		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38778		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R38779		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38780		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38781		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R38782		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38784		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38785		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R38786		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38787		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38788		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38789		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R38790		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R38791		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R38792		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38793		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38794		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R38795		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38796		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R38797		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38798		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R38799		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38800		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R38801		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38803		ERJ6GEYJ824	M.RESISTOR CH1/10W 820K	1	
R38804		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38805		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R38806,07		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R38808		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38809		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38810		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38811		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38812		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38813		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R38814		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38815		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38816		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38817		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R38818		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38819,20		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	2	
R38821		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R38822		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38823		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R38825		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38826		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38828		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38829		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38830		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R38831		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38833		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38834		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38835		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R38836		ERJ6GEYJ121	M.RESISTOR CH1/10W 120	1	
R38837		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38838		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38839		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38840		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38841		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38842		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38843		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38844		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R38845		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R38846		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38847		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R38848		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38849,50		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	2	
R38851		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R38853		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
RA34001		EXBP88103J	COMBI.R-R 10K	1	
RA34002		EXBP84103J	COMBI.R-R 10K	1	
TG33701		VJR0098	TEST PIN	1	
TG38501-03		VJR0098	TEST PIN	3	
TG38701-03		VJR0098	TEST PIN	3	
TH33701-03		ERTD2FHL102S	THERMISTOR 1K	3	
TH35701		ERTD2FHL332S	THERMISTOR 3.3K	1	
TH38701		ERTD2FHL102S	THERMISTOR 1K	1	
VR33501,02		EVMF6SA00B13	V.RESISTOR 1K	2	
VR33503		EVMF6SA00B14	V.RESISTOR 10K	1	
VR33504		EVMF6SA00B32	V.RESISTOR 300	1	
VR33505-08		EVMF6SA00B13	V.RESISTOR 1K	4	
VR33509		EVMF6SA00B52	V.RESISTOR 500	1	
VR33701		EVMF6SA00B23	V.RESISTOR 2K	1	
VR33702,03		EVMF6SA00B13	V.RESISTOR 1K	2	
VR33704,05		EVMF6SA00B52	V.RESISTOR 500	2	
VR33707		EVMF6SA00B23	V.RESISTOR 2K	1	
VR33709		EVMF6SA00B23	V.RESISTOR 2K	1	
VR33802,03		EVMF6SA00B13	V.RESISTOR 1K	2	
VR33805		EVMF6SA00B53	V.RESISTOR 5K	1	
VR33807		EVMF6SA00B22	V.RESISTOR 200	1	
VR33809		EVMF6SA00B53	V.RESISTOR 5K	1	
VR33812,13		EVMF6SA00B53	V.RESISTOR 5K	2	
VR34101		EVMF6SA00B24	V.RESISTOR 20K	1	
VR34102		EVMF6SA00B13	V.RESISTOR 1K	1	
VR35701		EVMF6SA00B14	V.RESISTOR 10K	1	
VR35702		EVMF6SA00B22	V.RESISTOR 200	1	
VR35901		EVMF6SA00B24	V.RESISTOR 20K	1	
VR35902		EVMF6SA00B14	V.RESISTOR 10K	1	
VR38502		EVMF6SA00B14	V.RESISTOR 10K	1	
VR38505-09		EVMF6SA00B13	V.RESISTOR 1K	5	
VR38704-06		EVMF6SA00B14	V.RESISTOR 10K	3	
VR38707		EVMF6SA00B13	V.RESISTOR 1K	1	
VR38708		EVMF6SA00B23	V.RESISTOR 2K	1	
VR38709,10		EVMF6SA00B13	V.RESISTOR 1K	2	
VR38711		EVMF6SA00B23	V.RESISTOR 2K	1	
VR38713		EVMF6SA00B22	V.RESISTOR 200	1	
VR38714		EVMF6SA00B52	V.RESISTOR 500	1	
VR38716		EVMF6SA00B23	V.RESISTOR 2K	1	
X34101		VSX0197	CRYSTAL OSCILLATOR	1	<R>
X38501		VSX0060	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E86		VSC2690	SHIELD CASE (MAIN)	1	
E87		VSC2691	SHIELD CASE (BOTTOM)	1	
E88		VSC2689	SHIELD CASE (TOP)	1	
E89		VMX0985	SPACER	1	
	■	VEP03751A	SUB VIDEO C.B.A.		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C35401		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C35402,03		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35404		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C35405		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C35406-08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C35409		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C35411-13		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C35414		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C35415-18		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C35419		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C35501		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35502		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35503		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35505		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35506,07		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C35509		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35510		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35511		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C35512		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35513		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35514,15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35516		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C35518		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35519		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35520		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C35521		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C35522		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C35523		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35524		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35525		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C35526		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35527		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35528		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35529,30		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35532		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35534		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35535		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35536,37		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35538		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35539		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35540		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C35541,42		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35543		ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C35544		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35546		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C35547		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C35548		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35549		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C35550		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C35551		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35553		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C35554		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35555		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C35556		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35557		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C35558		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35559		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35560		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35561		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C35562		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C35565		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C35566,67		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35569		ECUM1H681JCN	C.CAPACITOR CH 50V 680P	1	
C35570		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C35579		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C35580		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35581		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C35582		ECCF1H220JC	C.CAPACITOR 50V 22P	1	
FL35501		VLD0205	FILTER	1	
FL35502		VLD0206	FILTER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
FL35503		ELB4Q053	FILTER	1	
IC35501		VCR0311	IC	1	<R>
IC35502,03		AN607P	IC	2	<R>
IC35504,05		VCR0311	IC	2	<R>
IC35506		MC74HC4053F	IC	1	<R>
IC35507		AN78N05	IC	1	<R>
J35501		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J35505		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L35401,02		VLQEL05K221K	COIL 220UH	2	
L35403		VLQEL05K150J	COIL 15UH	1	
L35501		VLQ0460	COIL 100UH	1	
L35502		VLQEL05K271J	COIL 270UH	1	
L35504		VLQEL05K4R7J	COIL 4.7UH	1	
L35505		VLQEL05K8R2J	COIL 8.2UH	1	
L35506-10		VLQ0460	COIL 100UH	5	
L35512		VLQ0460	COIL 100UH	1	
L35513		VLQEL05K220J	COIL 22UH	1	
L35514		VLQEL05K101J	COIL 100UH	1	
L35515		VLQEL05K180J	COIL 18UH	1	
L35516		VLQEL05K221J	COIL 220UH	1	
L35517		VLQEL05K270J	COIL 27UH	1	
L35519		VLQEL05K8R2J	COIL 8.2UH	1	
L35520		VLQEL05K100J	COIL 10UH	1	
L35522		VLQ0460	COIL 100UH	1	
L35601		VLQEL05K100J	COIL 10UH	1	
L35602		VLQEL05K271J	COIL 270UH	1	
P35401		VJP1231R	CONNECTOR(MALE) 4P	1	
P35402		VJP1231T	CONNECTOR(MALE) 4P	1	
P35501		VJP1239T	CONNECTOR(MALE) 12P	1	
P35502		VJP1237T	CONNECTOR(MALE) 10P	1	
P35503		VJP1235T	CONNECTOR(MALE) 8P	1	
Q35401		2SB793	TRANSISTOR	1	<R>
Q35402,03		MSC2295-B	TRANSISTOR	2	<R>
Q35404		MSD601-R	TRANSISTOR	1	<R>
Q35405,06		MSD602	TRANSISTOR	2	<R>
Q35407		2SB766	TRANSISTOR	1	<R>
Q35408		2SD874	TRANSISTOR	1	<R>
Q35409		MSD602	TRANSISTOR	1	<R>
Q35410		MSD601-R	TRANSISTOR	1	<R>
Q35411,12		MSD602	TRANSISTOR	2	<R>
Q35413		2SB766	TRANSISTOR	1	<R>
Q35414		2SD874	TRANSISTOR	1	<R>
Q35415		MSD602	TRANSISTOR	1	<R>
Q35509-11		2SC2404	TRANSISTOR CHIP	3	(B,C)<R>
Q35512		MSC2295-B	TRANSISTOR	1	<R>
Q35513,14		MSD601-R	TRANSISTOR	2	<R>
Q35515-20		MSC2295-B	TRANSISTOR	6	<R>
Q35521-23		MSD601-R	TRANSISTOR	3	<R>
Q35529-33		MSC2295-B	TRANSISTOR	5	<R>
Q35534		MSD601-R	TRANSISTOR	1	<R>
Q35535,36		MSC2295-B	TRANSISTOR	2	<R>
Q35537		MSD601-R	TRANSISTOR	1	<R>
QR35401		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR35501-03		MRN1404	TRANSISTOR-RESISTOR	3	<R>
QR35512		MRN1404	TRANSISTOR-RESISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R35401		ERJ6GEYK1R0	M.RESISTOR CH1/10W 1	1	
R35402		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R35403		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R35404		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35405		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R35406		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R35407		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R35408		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R35409		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35410		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R35411		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R35412,13		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	2	
R35414		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R35415		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R35416		ERJ6GEYJ3R3	M.RESISTOR CH1/10W 3.3	1	
R35417		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R35418		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35419,20		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	2	
R35421		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35422,23		ERJ6GEYJ100	M.RESISTOR CH1/10W 10	2	
R35424		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R35425		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35426		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R35427		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R35428		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R35429,30		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	2	
R35431		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R35432		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R35433		ERJ6GEYJ3R3	M.RESISTOR CH1/10W 3.3	1	
R35434		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R35435		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35436,37		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	2	
R35438		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35439,40		ERJ6GEYJ100	M.RESISTOR CH1/10W 10	2	
R35441		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R35442		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35501,02		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R35504		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R35505,06		ERJ6GEYJ151	M.RESISTOR CH1/10W 150	2	
R35511		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R35516		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R35517		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R35518,19		ERJ6GEYJ151	M.RESISTOR CH1/10W 150	2	
R35521		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R35523		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R35527		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35529,30		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R35531-33		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R35534		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R35535		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35536		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R35537		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R35538,39		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R35540		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35541		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R35542		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R35544		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35545		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35546		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R35547		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R35548,49		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	2	
R35550		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35551		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35552,53		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R35554		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35555,56		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R35557		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35558		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35559		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R35560		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35561		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R35562		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R35563		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R35564		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R35567		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R35570		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35571		ERJ6GEYJ151	M.RESISTOR CH1/10W 150	1	
R35572		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R35573		ERJ6GEYJ151	M.RESISTOR CH1/10W 150	1	
R35574		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35576		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R35582		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35583,84		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R35585		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R35586,87		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R35588		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R35589		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R35590		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R35591		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R35592,93		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R35594		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R35595		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35596		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35597,98		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R35599,00		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	2	
R35601		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35602		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R35604,05		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R35607		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R35608		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R35609		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
VR35401,02		EVMF6SA00B23	V.RESISTOR 2K	2	
VR35503,04		EVMF6SA00B13	V.RESISTOR 1K	2	
VR35505-07		EVMF6SA00B23	V.RESISTOR 2K	3	
VR35510,11		EVMF6SA00B23	V.RESISTOR 2K	2	
VR35512		EVMF6SA00B14	V.RESISTOR 10K	1	
			MISCELLANEOUS		
E90		VSC3206	SHIELD CASE (MAIN)	1	
E91		VSC3229	SHIELD CASE (TOP)	1	
	■	VEP05155A	HEAD AMP C.B.A.		
C5001,02		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5003-08		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	6	
C5009		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5010		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C5011		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C5012		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5013		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C5014,15		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C5016		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C5017		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5018		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C5019		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C5020		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5021		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5022		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C5023-25		ECEA1CKA100	E.CAPACITOR 16V 10U	3	
C5026		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5027,28		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C5029,30		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5031		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C5032		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C5034-36		ECEA1CKA100	E.CAPACITOR 16V 10U	3	
C5037		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5038		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C5039		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C5040		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C5041		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C5042		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5043		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5044		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C5045		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C5046		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5048		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5051		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5052		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5053		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5054,55		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5056		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C5057		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C5058		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5060-62		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C5066		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5068		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
D5004		MA151K	DIODE	1	<R>
D5006		MA151WK	DIODE	1	<R>
D5008,09		MA151WK	DIODE	2	<R>
IC5001,02		AN6336S	IC	2	<R>
IC5003,04		NJM2234MA	IC	2	<R>
L5001,02		VLQ0460	COIL 100UH	2	
L5003		VLQEL05K100J	COIL 10UH	1	
L5004		VLQEL05K821J	COIL 820UH	1	
L5005		VLQ0460	COIL 100UH	1	
L5006		VLQEL05K681J	COIL 680UH	1	
L5007,08		VLQ0460	COIL 100UH	2	
L5009		VLQEL05K221J	COIL 220UH	1	
L5010		VLQEL05K681J	COIL 680UH	1	
L5011		VLQ0460	COIL 100UH	1	
L5012		VLQEL05K821J	COIL 820UH	1	
L5013		VLQEL05K100J	COIL 10UH	1	
P5001		VJP1237T	CONNECTOR(MALE) 10P	1	
P5002		VJP1246T	CONNECTOR(MALE) 6P	1	
P5003		VJP1252T	CONNECTOR(MALE) 12P	1	
Q5001,02		MSD601-R	TRANSISTOR	2	<R>
Q5003		2SB766	TRANSISTOR	1	<R>
Q5004		2SD874	TRANSISTOR	1	<R>
Q5005		2SB766	TRANSISTOR	1	<R>
Q5006		2SD874	TRANSISTOR	1	<R>
Q5007,08		2SC3704	TRANSISTOR	2	<R>
Q5009		XN1501	TRANSISTOR-TRANSISTOR	1	<R>
Q5010,11		2SC3704	TRANSISTOR	2	<R>
Q5012		XN1501	TRANSISTOR-TRANSISTOR	1	<R>
Q5013		MSB710-R	TRANSISTOR	1	<R>
Q5014		MSC2295-B	TRANSISTOR	1	<R>
Q5015		MSB709-R	TRANSISTOR	1	<R>
Q5016		MSD601-R	TRANSISTOR	1	<R>
Q5017		MSB709-R	TRANSISTOR	1	<R>
QR5003,04		MRN2402	TRANSISTOR-RESISTOR	2	<R>
R5001,02		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R5003		ERJ6GEYJ4R7	M.RESISTOR CH1/10W 4.7	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R5004		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R5005		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R5006,07		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	2	
R5008		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R5009,10		ERJ8GCYJ150	M.RESISTOR CH 1/8W 15	2	
R5011,12		ERJ6GEYJ100	M.RESISTOR CH1/10W 10	2	
R5013		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R5014		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R5015,16		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R5017		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R5018		ERJ6GEYJ4R7	M.RESISTOR CH1/10W 4.7	1	
R5019		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R5020,21		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	2	
R5022		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R5023,24		ERJ8GCYJ150	M.RESISTOR CH 1/8W 15	2	
R5025,26		ERJ6GEYJ100	M.RESISTOR CH1/10W 10	2	
R5027		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R5028		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R5029		ERJ6GEYK1R0	M.RESISTOR CH1/10W 1	1	
R5030		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R5031		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R5032		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R5033		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R5034,35		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R5036,37		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	2	
R5038		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R5039		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5040		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R5041		ERJ6GEYJ100	M.RESISTOR CH1/10W 10	1	
R5042,43		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R5044		ERJ6GEYJ100	M.RESISTOR CH1/10W 10	1	
R5045		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R5046,47		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	2	
R5048		ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R5049		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R5050		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R5051		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R5053		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5054,55		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R5056,57		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R5058		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R5059		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5063,64		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R5065,66		ERJ6GEYJ100	M.RESISTOR CH1/10W 10	2	
R5067		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R5070		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R5075		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5076		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R5077		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R5078		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5079		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R5080		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R5082,83		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	2	
R5084		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5085		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R5086		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5087		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R5088		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R5089		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R5090		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R5091		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R5092		ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R5093,94		ERDS2TJ471	C.RESISTOR 1/4W 470	2	
RY5001,02		VSY2041	RELAY	2	
			MISCELLANEOUS		
E92		VSC3187	SHIELD CASE (TOP)	1	
E93		VSC3188	SHIELD CASE (MAIN)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP08135A	TBC (1) C.B.A.		INCLUDING THE
					TBC SUB (1) C.B.A.
					(VEP00R40A)
					TBC SUB (2) C.B.A.
					(VEP00R44A)
C8001		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8002		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8003,04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8005		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8006		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8007		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8008		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8009		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C8010,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8022		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8023		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8024		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8026-28		ECEA1HKA010	E.CAPACITOR 50V 1U	3	
C8029		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	1	
C8030,31		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C8032,33		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8034		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8035		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8036		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8037		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8038		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C8039-42		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C8052,53		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8055		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8056		ECEA1HKAR47	E.CAPACITOR 50V 0.47U	1	
C8057		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8058		ECEA1HKN3R3	E.CAPACITOR 50V 3.3U	1	
C8059		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8060,61		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	2	
C8062		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8063		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C8064		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8065,66		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C8067,68		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8069		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8070		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8071		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8072		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8073		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C8074-76		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C8077		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8078		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8079		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8080		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8081		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8082		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8083,84		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C8086		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8087		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C8088,89		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	2	
C8090,91		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C8092		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8093,94		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C8095		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8201		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8202		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8204		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C8205		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C8206		ECEA1CU331	E.CAPACITOR 16V 330U	1	
C8207		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8208		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8209		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8210		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8211		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C8212-14		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	3	
C8221		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8222,23		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8224,25		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C8227		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8228		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C8229		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8236,37		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8238		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C8241		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C8242		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8243		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8244		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8245		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8246,47		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C8248		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8249		ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C8250		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8251,52		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C8253		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8256		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8257		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8258		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8259		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8260,61		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C8262,63		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8264		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8267		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C8268,69		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8270,71		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C8272-74		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C8275		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8277		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8278-82		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C8283		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8284		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8285		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8286-91		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C8292		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8293,94		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8295		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8296		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8297,98		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C8299		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8300		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8301		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C8302		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C8303		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8305		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8306		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8307		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8308-11		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	4	
C8312,13		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
D8001		MA3051M	DIODE	1	<R>
D8202,03		MA151K	DIODE	2	<R>
FL8001		ELB4R042	FILTER	1	
FL8012		VLF0757	FILTER	1	
FL8023		VLF0757	FILTER	1	
FL8201		VLF0921	FILTER	1	
FL8202,03		VLF0757	FILTER	2	
FL8204		VLF0137	FILTER	1	
IC8002		RC082BM	IC	1	<R>
IC8005		RC082BM	IC	1	<R>
IC8008		RC082BM	IC	1	<R>
IC8009		MC74HC4066F	IC	1	<R>
IC8010		AN78L05	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC8011		MN74HC221S	IC	1	<R>
IC8201		AN3171S	IC	1	<R>
IC8201		MC74HC04AF	IC	1	<R>
IC8202		AN78L05	IC	1	<R>
IC8203		AN3181S	IC	1	<R>
IC8204-07		RC4565MD	IC	4	<R>
IC8208		MN74HC221S	IC	1	<R>
IC8209		RC082BM	IC	1	<R>
IC8210		MC74HC04AF	IC	1	<R>
L8001,02		VLQ0460	COIL 100UH	2	
L8009,10		VLQ0460	COIL 100UH	2	
L8015-18		VLQ0460	COIL 100UH	4	
L8201-03		VLQ0460	COIL 100UH	3	
L8206,07		VLQ0460	COIL 100UH	2	
L8208		VLQEL05K470K	COIL 47UH	1	
L8209		VLQ0460	COIL 100UH	1	
L8212-14		VLQ0460	COIL 100UH	3	
L8217,18		VLQ0460	COIL 100UH	2	
L8219		VLQEL05K180K	COIL 18UH	1	
L8220-21		VLQ0460	COIL 100UH	2	
L8222		VLQEL05K470K	COIL 47UH	1	
L8223,24		VLQ0460	COIL 100UH	2	
P8001		VJP2981A008	CONNECTOR(MALE) 8P	1	
P8002		VJS1465	CONNECTOR(MALE) 7P	1	
P8003		VJP2981A006	CONNECTOR(MALE) 6P	1	
P8004		VJS1481	CONNECTOR(FEMALE) 20P	1	
Q8001		MSD601-R	TRANSISTOR	1	<R>
Q8002		MSB709-R	TRANSISTOR	1	<R>
Q8003,04		MSC2295-B	TRANSISTOR	2	<R>
Q8005		2SA1022-C	TRANSISTOR CHIP	1	(B,C)<R>
Q8006,07		MSD601-R	TRANSISTOR	2	<R>
Q8008		2SK198	TRANSISTOR	1	(Q,R,S)<R>
Q8009		MSD601-R	TRANSISTOR	1	<R>
Q8010		MSB709-R	TRANSISTOR	1	<R>
Q8011,12		MSC2295-B	TRANSISTOR	2	<R>
Q8013		2SA1022-C	TRANSISTOR CHIP	1	(B,C)<R>
Q8014,15		MSD601-R	TRANSISTOR	2	<R>
Q8016		2SK198	TRANSISTOR	1	(Q,R,S)<R>
Q8017		MSD601-R	TRANSISTOR	1	<R>
Q8018		MSB709-R	TRANSISTOR	1	<R>
Q8019,20		MSC2295-B	TRANSISTOR	2	<R>
Q8021		2SA1022-C	TRANSISTOR CHIP	1	(B,C)<R>
Q8022,23		MSD601-R	TRANSISTOR	2	<R>
Q8024		2SK198	TRANSISTOR	1	(Q,R,S)<R>
Q8025		MSD601-R	TRANSISTOR	1	<R>
Q8026		MSC2295-B	TRANSISTOR	1	<R>
Q8027		MSD601-R	TRANSISTOR	1	<R>
Q8201,02		MSD601-R	TRANSISTOR	2	<R>
Q8203		MSB709-R	TRANSISTOR	1	<R>
Q8204		MSD601-R	TRANSISTOR	1	<R>
Q8205		MSB709-R	TRANSISTOR	1	<R>
Q8207		MSC2295-B	TRANSISTOR	1	<R>
Q8208		MSD601-R	TRANSISTOR	1	<R>
Q8213		MSD601-R	TRANSISTOR	1	<R>
Q8215-17		MSD601-R	TRANSISTOR	3	<R>
Q8218		MSC2295-B	TRANSISTOR	1	<R>
Q8219-21		MSD601-R	TRANSISTOR	3	<R>
Q8222		MSC2295-B	TRANSISTOR	1	<R>
Q8223,24		MSD601-R	TRANSISTOR	2	<R>
Q8226,27		MSD601-R	TRANSISTOR	2	<R>
Q8228		MSC2295-B	TRANSISTOR	1	<R>
Q8229		MSD601-R	TRANSISTOR	1	<R>
Q8230		MSC2295-B	TRANSISTOR	1	<R>
Q8231		MSD601-R	TRANSISTOR	1	<R>
Q8236,37		MSB709-R	TRANSISTOR	2	<R>
Q8238-41		MSD601-R	TRANSISTOR	4	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q8242		MSB709-R	TRANSISTOR	1	<R>
Q8243		MSD601-R	TRANSISTOR	1	<R>
Q8244		MSB709-R	TRANSISTOR	1	<R>
Q8245,46		2SK374	TRANSISTOR	2	(Q,R,S)<R>
R8001		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R8002		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8003,04		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R8005		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8006		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8007		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8008		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8009		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8010		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8011		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8012		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8013,14		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R8015,16		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R8017		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R8018		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8019		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8020		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8021		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8022		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R8024		ERJ6GEYJ121	M.RESISTOR CH1/10W 120	1	
R8025		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8026		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8027		ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R8035		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R8036		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8037		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R8038		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8039		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R8040		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R8041		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R8042		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8043-45		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R8046		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8047		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R8048		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8049		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8050		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8051		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8052		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8053,54		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R8055,56		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R8057		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R8058		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8059		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8060		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8061		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8062		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R8063		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8064		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8065		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R8066		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8077		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R8078		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8079		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R8080		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R8081		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8082		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8083		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R8084		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8085-87		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R8088		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8089		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R8090		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8091		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8092		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8093		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8094		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8095,96		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8097,98		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R8099		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R8100		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8101		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8102		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8103		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R8104		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8105		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8106		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8107		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R8108		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8109		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8110		ERJ6GEYJ151	M.RESISTOR CH1/10W 150	1	
R8111		ERJ6GEYJ680	M.RESISTOR CH1/10W 68	1	
R8113		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R8114		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8115		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8116		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8117		ERJ6GEYJ121	M.RESISTOR CH1/10W 120	1	
R8118		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8119		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8120		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8121		ERJ6GEYJ124	M.RESISTOR CH1/10W 120K	1	
R8122		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8123,24		ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	2	
R8125		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R8126		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8127		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8201		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8202-04		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R8205		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8206		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R8207		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8208		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R8209		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R8210		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R8211		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8212		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8213		ERJ6GEYJ121	M.RESISTOR CH1/10W 120	1	
R8214		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R8215		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8216		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R8217		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R8219		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R8220		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R8221,22		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R8223		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8224		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8235		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R8241		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8242,43		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R8244		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R8245		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8246		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R8247,48		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	2	
R8249		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8250-52		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R8253		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R8254		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8255		ERJ6GEYJ220	M.RESISTOR CH1/10W 22K	1	
R8256		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8257		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8258		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R8259		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8260		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8262		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8263-65		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R8266		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R8267		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8268		ERJ6GEYJ220	M.RESISTOR CH1/10W 22K	1	
R8269		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8270		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8271		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R8272		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8273		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8275		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R8276,77		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	2	
R8279		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R8280		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8282		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R8283		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R8284		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R8285		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8286		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8287		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8288		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R8289		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8290		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R8291		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8304		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8305		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8311		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8312		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R8313,14		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R8315		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8316		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8317		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8318		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8319,20		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R8321		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R8322,23		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R8324		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R8325		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R8326		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8327		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8328		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8329		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R8330		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8331		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R8332		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8333		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R8334		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R8335		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R8336,37		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R8338		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R8339		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R8340		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R8341		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R8342		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8343		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8344,45		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	2	
R8346		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R8347		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8348		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8349		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8350		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8351		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R8352		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8353		ERDS2TJ123	C.RESISTOR 1/4W 12K	1	
R8355		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R8356		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R8357		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8358		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R8359		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8360		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8361		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R8362		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R8363		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R8364		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8365		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R8366		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8367		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8368		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R8369,70		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	2	
RH8001		ERTD2FGL102S	THERMISTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR8001		EVM31GA00B13	V.RESISTOR 1K	1	
VR8002		EVM31GA00B24	V.RESISTOR 20K	1	
VR8003,04		EVMF6SA00B14	V.RESISTOR 10K	2	
VR8005		EVM31GA00B14	V.RESISTOR 10K	1	
VR8006		EVM31GA00B22	V.RESISTOR 200	1	
VR8007		EVM31GA00B52	V.RESISTOR 500	1	
VR8201		EVM31GA00B13	V.RESISTOR 1K	1	
VR8202		EVMF6SA00B24	V.RESISTOR 20K	1	
VR8204		EVM31GA00B23	V.RESISTOR 2K	1	
VR8205		EVM31GA00B24	V.RESISTOR 20K	1	
VR8206-08		EVM31GA00B52	V.RESISTOR 500	3	
VR8210		EVM31GA00B23	V.RESISTOR 2K	1	
VR8211		EVMF6SA00B24	V.RESISTOR 20K	1	
VR8212		EVMF6SA00B13	V.RESISTOR 1K	1	
VR8213		EVM31GA00B52	V.RESISTOR 500	1	
VR8214,15		EVM31GA00B15	V.RESISTOR 100K	2	
VR8217		EVM31GA00B52	V.RESISTOR 500	1	
X8001		VSX0263	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E94		VSC3189	SHIELD PLATE	1	
E95		XTV3+8F	SCREW	2	
	■	VEP08136A	TBC (2) C.B.A.		INCLUDING THE
					D/A SUB C.B.A.
					(VEP00R46A)
C8401-04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C8405		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8406		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8407		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8408		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8409		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C8410		ECEA1HKR33	E.CAPACITOR 50V 0.33U	1	
C8411		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C8412-15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C8416		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C8417		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8418		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8419		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8420-23		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C8424-28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C8429		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8430-35		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C8436		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8437-50		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	14	
C8451		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8452		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8455		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8456		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8457		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8458		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C8459		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8460		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8463,64		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8465		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C8466		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8467		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C8468		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C8469		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8470,71		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8472		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8473		ECEA1CKA220	E.CAPACITOR 16V 22U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C8474		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8475		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C8476-78		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8479		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C8480		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C8481,82		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8483		ECEA1AKA221	E.CAPACITOR 10V 220U	1	
C8484		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C8485		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8486		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8487,88		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8491		ECQB1H182JF	P.CAPACITOR 50V 1800P	1	
C8492		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8493,94		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8495		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C8496		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8821		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
D8401		MA151K	DIODE	1	<R>
D8801-03		MA151K	DIODE	3	<R>
FL8401		VLF0633	FILTER	1	
FL8402		VLF0634	FILTER	1	
FL8403		VLF0526	FILTER	1	
FL8404		VLF0523	FILTER	1	
IC8401		MN53030VMB	IC	1	<R>
IC8402		L7A0311	IC	1	<R>
IC8403		MN4712F	IC	1	<R>
IC8404		MN4710F	IC	1	<R>
IC8405		MN4712F	IC	1	<R>
IC8406		MN4710F	IC	1	<R>
IC8407		L7A0311	IC	1	<R>
IC8408		MC68H05C	IC	1	<R>
IC8409		MN1280R	IC	1	<R>
IC8410		MC74HC02AF	IC	1	<R>
IC8411		MC74HC04AF	IC	1	<R>
IC8412		MC74HC74AF	IC	1	<R>
IC8413		MC74HC244AF	IC	1	<R>
IC8414,15		MC74HC164F	IC	2	<R>
IC8416,17		MC74HC151F	IC	2	<R>
IC8418		MC74HC74AF	IC	1	<R>
IC8419		MC74HC244AF	IC	1	<R>
IC8420		AN78N05	IC	1	<R>
IC8421		CXD1175M	IC	1	<R>
IC8422		MC74HC574F	IC	1	<R>
IC8423		AN78N05	IC	1	<R>
IC8424		CXD1175M	IC	1	<R>
IC8425		MC74HC574F	IC	1	<R>
IC8451-53		MB40778PF-TF	IC	3	<R>
IC8454-57		RC4565MD	IC	4	<R>
IC8491		SN74LS123NSR	IC	1	<R>
IC8492		MC74HC32AF	IC	1	<R>
IC8493		MC74HC74AF	IC	1	<R>
IC8821		MC74HC04AF	IC	1	<R>
L8401		VLP0054	COIL	1	
L8451		VLP0017	COIL	1	
L8453-55		VLP0017	COIL	3	
L8457		VLP0054	COIL	1	
L8458-62		VLQEL05K470K	COIL 47UH	5	
L8463		VLP0017	COIL	1	
P8401		VJP2981A008	CONNECTOR(MALE) 8P	1	
P8402		VJS1465	CONNECTOR(FEMALE) 7P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P8403		VJP2981A006	CONNECTOR(MALE) 6P	1	
P8404		VJS1481	CONNECTOR(FEMALE) 20P	1	
P8405,06		VJP2898B050	CONNECTOR(MALE) 50P	2	
R8401		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8402,03		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R8404		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
R8405		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8407		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8408-12		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	5	
R8413		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R8414		ERDS1TJ470	C.RESISTOR 1/2W 47	1	
R8415,16		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R8417,18		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R8419,20		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R8421		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
R8422		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8423		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
R8424-26		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	3	
R8427-33		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	7	
R8434		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R8435		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8436		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8437-43		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	7	
R8445-50		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	6	
R8451		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8452		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8453,54		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	2	
R8455		ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R8456		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R8457		ERJ6GEYJ113	M.RESISTOR CH1/10W 11K	1	
R8458		ERJ6GEYJ912	M.RESISTOR CH1/10W 9.1K	1	
R8459		ERJ6GEYJ270	M.RESISTOR CH1/10W 27M	1	
R8460,61		ERJ6GEYJ133	M.RESISTOR CH1/10W 13K	2	
R8462		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8463		ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R8464		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8465		ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R8466-68		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	3	
R8469		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8470		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8472		ERJ6GEYJ113	M.RESISTOR CH1/10W 11K	1	
R8473		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R8474		ERJ6GEYJ912	M.RESISTOR CH1/10W 9.1K	1	
R8475		ERJ6GEYJ270	M.RESISTOR CH1/10W 27M	1	
R8479		ERJ6GEYJ270	M.RESISTOR CH1/10W 27M	1	
R8480,81		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	2	
R8482		ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R8485-88		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R8492		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R8493		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R8496,97		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	2	
R8498		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8499		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8801		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8802		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8803-18		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	16	
R8821		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R8822		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
R8823		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
VR8451,52		EVM31GA00B23	V.RESISTOR 2K	2	
X8401		EF0FC3584A5	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E96		VML2143	P.C.BOARD PULLER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E97		VSC3215	SHIELD PLATE	1	
E98		VWJ20AW060MM	FLEXIBLE WIRE	1	<R>
E99		VWJ07AW060MM	FLEXIBLE WIRE	1	<R>
E100		VMX1922	SUPPORT	6	
E101		XYN26+C12	SCREW	4	
E102		XNG26E	NUT	4	
E103		XTV3+8F	SCREW	2	
	■	VEP08137A	TBC (3) C.B.A.		INCLUDING THE
					TBC SUB (3) C.B.A.
					(VEP00R48A)
C8501		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8502		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8503		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C8504		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8505		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C8506		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8507		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C8508		ECEA1CSN4R7	E.CAPACITOR 16V 4.7U	1	
C8509		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8510		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C8511,12		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8513		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C8514		ECQM1H102JV	P.CAPACITOR 50V 1000P	1	
C8515		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8516		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8517		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8518		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C8519		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8520		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C8521		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8522		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8523		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8524		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8525		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8526		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8527		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8528		ECQM1H222JV	P.CAPACITOR 50V 2200P	1	
C8529		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8530,31		ECQM1H102JV	P.CAPACITOR 50V 1000P	2	
C8532-34		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8535		ECQM1H182JV	P.CAPACITOR 50V 1800P	1	
C8536-40		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C8541		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8542		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C8543		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8544		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C8545		ECQM1H392JV	P.CAPACITOR 50V 3900P	1	
C8546-49		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C8550		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C8551		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C8552		ECQM1H102JV	P.CAPACITOR 50V 1000P	1	
C8553		ECQM1H223JV	P.CAPACITOR 50V 0.022U	1	
C8554		ECQM1H122JV	P.CAPACITOR 50V 1200P	1	
C8555		ECQM1H104JV	P.CAPACITOR 50V 0.1U	1	
C8556		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C8557,58		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C8559		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8560		ECEA1AKA220	E.CAPACITOR 10V 22U	1	
C8561		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8562		ECEA1AKA220	E.CAPACITOR 10V 22U	1	
C8563		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8564		ECEA1AKA220	E.CAPACITOR 10V 22U	1	
C8565		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8566		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C8567-71		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	5	
C8572		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C8573		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C8575		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8576		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8590,91		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8601		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8602		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C8603,04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8605		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8606		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8607		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C8608		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8609		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8610		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C8611,12		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8613		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C8614		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8615		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8616		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8617		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C8618		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8619		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C8620		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8621,22		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C8623		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8624		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C8625		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8626		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8626		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8627,28		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8629		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C8630		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C8631		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8632		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C8633-36		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C8637		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C8638,39		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8640		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C8641		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8642,43		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8644		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C8645		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8646		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C8647		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8648		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8649,50		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	2	
C8651		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8652		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8653		ECV1ZW20X53T	V.CAPACITOR 20P	1	
C8654		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C8655		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C8656-58		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8659		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8660		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C8661		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8662		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8663		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8664		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8665,66		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C8667		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C8668-70		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8672-77		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C8678		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C8679		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8680,81		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8682		ECQM1H224JV	P.CAPACITOR 50V 0.22U	1	
C8683		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8684		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8685		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C8686		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8687		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8688		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8689		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8690		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8691		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8692		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8693		ECEA1CKA101	E.CAPACITOR 16V 100U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C8694		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8695		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8696		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8697		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8698		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8699		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
D8501		MA151WK	DIODE	1	<R>
D8551		MA153	DIODE	1	<R>
D8554		MA335	DIODE	1	<R>
D8555-57		MA151K	DIODE	3	<R>
D8558		MA165	DIODE	1	<R>
D8601		MA151K	DIODE	1	<R>
D8602		MA335	DIODE	1	<R>
D8605,06		MA151K	DIODE	2	<R>
D8608		MA151WK	DIODE	1	<R>
D8609		MA151K	DIODE	1	<R>
FL8601-04		VLF0634	FILTER	4	
FL8605,06		VLF0630	FILTER	2	
IC8501		AN91A12S	IC	1	<R>
IC8502		UPD65022B264	IC	1	<R>
IC8503		UPD65022C252	IC	1	<R>
IC8504		AN78L09	IC	1	<R>
IC8505		MC74HC04AF	IC	1	<R>
IC8506		SN74LS123NSR	IC	1	<R>
IC8507		MC74HC00AF	IC	1	<R>
IC8508		UPC319G2	IC	1	<R>
IC8509		SN74LS221NS	IC	1	<R>
IC8510		SN74LS123NS	IC	1	<R>
IC8511		MC74HC86F	IC	1	<R>
IC8512		MC74HC74AF	IC	1	<R>
IC8513		TC7S04F	IC	1	<R>
IC8514,15		TC4S66F	IC	2	<R>
IC8551		UPD65022F258	IC	1	<R>
IC8552		MC10125L	IC	1	<R>
IC8553		MN53020VMA	IC	1	<R>
IC8554		MC74HC4053F	IC	1	<R>
IC8555		RC082BM	IC	1	<R>
IC8556		SN74LS123NSR	IC	1	<R>
IC8557,58		RC082BM	IC	2	<R>
IC8559		MC74F74M	IC	1	<R>
IC8560		MC1648P	IC	1	<R>
IC8601		AN91A12S	IC	1	<R>
IC8602		UPD65024F152	IC	1	<R>
IC8603		UPD65040F144	IC	1	<R>
IC8604		MC14053BF	IC	1	<R>
IC8605		RC082BM	IC	1	<R>
IC8606,07		MN74HC221S	IC	2	<R>
IC8608		NE521D	IC	1	<R>
IC8609		AN78L09	IC	1	<R>
IC8610		NE521D	IC	1	<R>
IC8611,12		MC74HC04AF	IC	2	<R>
IC8613		RC082BM	IC	1	<R>
IC8614,15		MN74HC221S	IC	2	<R>
IC8616		RC082BM	IC	1	<R>
IC8617		MC74HC125AF	IC	1	<R>
IC8619,20		MC74HC04AF	IC	2	<R>
IC8621		AN78L09	IC	1	<R>
IC8622		RC082BM	IC	1	<R>
IC8623		MC74HC125AF	IC	1	<R>
L8501		VLQ0460	COIL 100UH	1	
L8502-06		VLP0017	COIL	5	
L8507		VLP0054	COIL	1	
L8509		VLP0054	COIL	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L8511		VLQEL05K820K	COIL 82UH	1	
L8551		VLQEL05K470K	COIL 47UH	1	
L8552		VLQEL05K1R8K	COIL 1.8UH	1	
L8553		VLP0054	COIL	1	
L8554,55		VLQEL05K470K	COIL 47UH	2	
L8601		VLQ0460	COIL 100UH	1	
L8602		VLQEL05K221K	COIL 220UH	1	
L8603		VLQEL05K680K	COIL 68UH	1	
L8604-06		VLQEL05K470K	COIL 47UH	3	
L8607		VLQEL05K221K	COIL 220UH	1	
L8608-10		VLQEL05K470K	COIL 47UH	3	
L8611		VLP0017	COIL	1	
L8612		VLP0054	COIL	1	
L8613,14		VLP0017	COIL	2	
L8615		VLP0054	COIL	1	
L8616,17		VLP0017	COIL	2	
L8618-20		VLP0054	COIL	3	
L8621		VLP0017	COIL	1	
P8501,02		VJP2898B050	CONNECTOR(MALE) 50P	2	
Q8501,02		MSD601-R	TRANSISTOR	2	<R>
Q8551,52		MSD601-R	TRANSISTOR	2	<R>
Q8553		MSB709-R	TRANSISTOR	1	<R>
Q8601		MSB709-R	TRANSISTOR	1	<R>
Q8602,03		2SK606	TRANSISTOR	2	<R>
R8501		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R8502		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8503		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R8504		ERJ6GEYJ113	M.RESISTOR CH1/10W 11K	1	
R8505,06		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R8507		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R8508		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R8509		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8510-12		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	3	
R8513		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R8514		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R8515		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R8516		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8517		ERJ6GEYJ163	M.RESISTOR CH1/10W 16K	1	
R8518		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R8519		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8520		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8521		ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R8522		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R8523		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R8524		ERJ6GEYJ753	M.RESISTOR CH1/10W 75K	1	
R8525		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R8526		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8527		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8528		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R8529		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R8530		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8531,32		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	2	
R8533		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8541,42		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R8553		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R8554		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8555		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8556		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8557		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8558		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R8559		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8560		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8561		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8562		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8563		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8564		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8565		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R8566		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8567		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R8568		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R8569		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8570		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R8571		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8572		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R8573		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R8574		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8575		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
R8581		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R8601		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R8602		ERJ6GEYJ684	M.RESISTOR CH1/10W 680K	1	
R8603		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8604,05		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	2	
R8606-09		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	4	
R8610		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R8611		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R8612		ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R8613,14		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R8615		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R8616		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R8617		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R8618		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R8619		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R8620,21		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R8622		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R8623		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R8624		ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R8625		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R8626		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8630		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R8631		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R8632		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8635-39		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	5	
R8641		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8642		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R8643		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8644		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R8645		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R8650		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8651		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8652		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R8655,56		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R8657,58		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	2	
R8659		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8660		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R8664		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R8665		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8666,67		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R8668,69		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R8670		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R8671		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8672		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R8673		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8674		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8675		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8676		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8677		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R8678		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R8679		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R8681		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R8682		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8683		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8684		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8685		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R8687		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R8688		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8689		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8691		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R8693		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8695		ERJ6GEYJ163	M.RESISTOR CH1/10W 16K	1	
R8696		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8697		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8698		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8699		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8709		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8710,11		ERJ6GEYJ684	M.RESISTOR CH1/10W 680K	2	
R8712,13		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R8714		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
SW8601		VSR0045	SWITCH	1	<R>
VR8501		EVM31GA00B53	V.RESISTOR 5K	1	
VR8601		EVMF6SA00B54	V.RESISTOR 50K	1	
VR8602,03		EVM31GA00B53	V.RESISTOR 5K	2	
VR8604		EVM31GA00B23	V.RESISTOR 2K	1	
VR8605		EVMF6SA00B14	V.RESISTOR 10K	1	
X8601		VSX0081	CRYSTAL OSCILLATOR	1	<R>
X8602		VSX0338	CRYSTAL OSCILLATOR	1	<R>
X8603		VSX0280	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E104		VSC1884	SHIELD CASE	1	
E105		VML2143	P.C.BOARD PULLER	1	
E106		VSC3215	SHIELD PLATE	1	
E107		XYN26+C12	SCREW	4	
E108		XNG26E	NUT	4	
E109		XTV3+8F	SCREW	2	
	■	VEP04301A	AUDIO JACK C.B.A.		
C42001-04		ECEA1CSN100	E.CAPACITOR 16V 10U	4	
C42005,06		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C42007-10		ECEA1CSN100	E.CAPACITOR 16V 10U	4	
C42011,12		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C42013		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C42014		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C42015		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C42016		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C42017		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C42018		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C42019		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C42020		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C42021,22		ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C42023		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C42024,25		ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C42026		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C42027,28		ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C42029		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C42030,31		ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C42032,33		ECEA1CSN100	E.CAPACITOR 16V 10U	2	
C42034		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C42035		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C42036-43		ECEA1CKA100	E.CAPACITOR 16V 10U	8	
C42044		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C42045		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C42046-49		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	4	
D42001		MA151WA	DIODE	1	<R>
D42002		MA151WK	DIODE	1	<R>
D42003		MA151WA	DIODE	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D42004		MA151WK	DIODE	1	<R>
D42005		MA151WA	DIODE	1	<R>
D42006		MA151WK	DIODE	1	<R>
D42007		MA151WA	DIODE	1	<R>
D42008		MA151WK	DIODE	1	<R>
D42017		MA153A	DIODE	1	<R>
IC42001-03		RC4556MB	IC	3	<R>
IC42004		AN6558S	IC	1	<R>
IC42005-07		RC4556MB	IC	3	<R>
IC42008,09		AN6558S	IC	2	<R>
IC42010		MC14066BF	IC	1	<R>
IC42011-13		AN6558S	IC	3	<R>
IC42014-17		RC4556MB	IC	4	<R>
IC42018		MC14053BF	IC	1	<R>
P42001		VJP1231T	CONNECTOR(MALE) 4P	1	
P42002		VJP2981A005	CONNECTOR(MALE) 5P	1	
P42003		VJP1233T	CONNECTOR(MALE) 6P	1	
P42004		VJP1235T	CONNECTOR(MALE) 8P	1	
P42005		VJP1229T	CONNECTOR(MALE) 2P	1	
P42006		VJP1231R	CONNECTOR(MALE) 4P	1	
P42008,09		VJP1233T	CONNECTOR(MALE) 6P	2	
P42012,13		VJP1233T	CONNECTOR(MALE) 6P	2	
Q42001-09		MSD601-R	TRANSISTOR	9	<R>
Q42010		2SD601	TRANSISTOR	1	(R,S,T)<R>
Q42011		MSB710-R	TRANSISTOR	1	<R>
Q42012		2SD1306	TRANSISTOR	1	<R>
Q42013		MSD601-R	TRANSISTOR	1	<R>
Q42014		2SD601	TRANSISTOR	1	(R,S,T)<R>
Q42015-18		2SD1306	TRANSISTOR	4	<R>
Q42019,20		MSD601-R	TRANSISTOR	2	<R>
Q42021-24		2SD1306	TRANSISTOR	4	<R>
Q42025,26		MSD601-R	TRANSISTOR	2	<R>
Q42027-30		2SD1306	TRANSISTOR	4	<R>
Q42031,32		MSD601-R	TRANSISTOR	2	<R>
Q42033-35		2SD1306	TRANSISTOR	3	<R>
Q42036		MSB710-R	TRANSISTOR	1	<R>
Q42037		2SB710	TRANSISTOR	1	(R,S)<R>
Q42038		2SD602	TRANSISTOR	1	(R,S)<R>
QR42001,02		MRN2404	TRANSISTOR-RESISTOR	2	<R>
R42001		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R42002,03		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R42004,05		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	2	
R42006,07		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R42008		VRE0034E103	M.RESISTOR CH1/10W 10K	1	
R42009-14		VRE0034E472	M.RESISTOR CH1/10W 4.7K	6	
R42015		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R42016		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R42017		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R42018,19		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	2	
R42020,21		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R42022		VRE0034E103	M.RESISTOR CH1/10W 10K	1	
R42023-28		VRE0034E472	M.RESISTOR CH1/10W 4.7K	6	
R42029		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R42030		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R42032-35		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R42036		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R42038-40		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R42041		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R42042,43		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R42044,45		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R42046,47		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R42048		VRE0034E103	M.RESISTOR CH1/10W 10K	1	
R42049-54		VRE0034E472	M.RESISTOR CH1/10W 4.7K	6	
R42055		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R42056,57		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R42058,59		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	2	
R42060,61		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R42062		VRE0034E103	M.RESISTOR CH1/10W 10K	1	
R42063-68		VRE0034E472	M.RESISTOR CH1/10W 4.7K	6	
R42069		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R42070		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R42072-76		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R42077		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R42079-82		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R42083-86		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	4	
R42087,88		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R42089,90		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R42091		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R42092,93		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R42094,95		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R42096,97		ERJ6GEYJ151	M.RESISTOR CH1/10W 150	2	
R42098		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R42099		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R42100		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42101		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R42102		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R42103-05		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R42106		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R42107		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R42108		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R42109		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R42110		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42111		ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	
R42112		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42113,14		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R42115		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42116		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R42117		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R42118		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42119-24		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	6	
R42125		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R42126		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42127		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R42128		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R42129-31		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R42132		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R42133		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R42134,35		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R42136		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42137		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42138		ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	
R42139,40		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R42141		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42142		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R42143		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R42144		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42145-50		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	6	
R42151		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R42152		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42153		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R42154		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R42155-57		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R42158		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R42159		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R42160,61		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R42162		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42163		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42164,65		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R42166		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R42167		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R42168		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R42169		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42170		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42171		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R42172		ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R42173-76		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R42177		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R42178		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42179		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R42180		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R42181-83		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R42184		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R42185		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R42186,87		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R42188		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42189		ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	
R42190		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42191,92		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R42193		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42194		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R42195		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R42196		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42197-01		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R42202,03		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R42204		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R42205		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R42206,07		ERJ6GEYJ151	M.RESISTOR CH1/10W 150	2	
R42208-11		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	4	
R42212-19		VRE0034E103	M.RESISTOR CH1/10W 10K	8	
R42220		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R42221		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R42222		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R42223		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R42224-27		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	4	
SW42001-03		ESD14339	SWITCH	3	<R>
SW42004,05		VSS0251	SWITCH	2	<R>
VR42005-08		EVN32CA00B53	V.RESISTOR 5K	4	
	■	VEP06657A	INPUT JACK C.B.A.		
C66001,02		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C66003		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C66004,05		ECEA1CKN470	E.CAPACITOR 16V 47U	2	
C66006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C66007		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
L66001		VLQ0460	COIL 100UH	1	
L66002		VLQEL06F101K	COIL 100UH	1	
P66002		VJP2981B008	CONNECTOR(MALE) 8P	1	
P66006		VJP1247T	CONNECTOR(MALE) 7P	1	
Q66001,02		2SD636	TRANSISTOR	2	(Q,R,S)<R>
R66001		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R66002		ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R66003		ERDS2TJ393	C.RESISTOR 1/4W 39K	1	
R66004		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R66007		ERDS2TJ750	C.RESISTOR 1/4W 75	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R66009,10		ERDS2TJ750	C.RESISTOR 1/4W 75	2	
R66011		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R66012		ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R66013		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R66014		ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R66015		ERDS2TJ393	C.RESISTOR 1/4W 39K	1	
R66016		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
SW66001,02		VES0244	SWITCH	2	<R>
	■	VEP06658A	OUTPUT JACK (1) C.B.A.		
			MISCELLANEOUS		
E110		VJF0236	SUPPORT	3	
	■	VEP06659A	OUTPUT JACK (2) C.B.A.		
C67001,02		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C67003,04		ECQB1H103JF	P.CAPACITOR 50V 0.01U	2	
IC67001-04		VCR0309	IC	4	<R>
L67001,02		VLQEL06F101K	COIL 100UH	2	
P67001		VJP1232T	CONNECTOR(MALE) 5P	1	
P67002		VJP2981A009	CONNECTOR(MALE) 9P	1	
P67003		VJP2981A006	CONNECTOR(MALE) 6P	1	
P67004		VJP1244T	CONNECTOR(MALE) 4P	1	
P67005		VJP1247T	CONNECTOR(MALE) 7P	1	
P67008		VJP1148	CONNECTOR(MALE)	1	
P67009		VJP1229T	CONNECTOR(MALE) 2P	1	
R67001-07		ERDS2TJ750	C.RESISTOR 1/4W 75	7	
R67011,12		ERDS2TJ180	C.RESISTOR 1/4W 18	2	
	■	VEP06660A	4P INPUT JACK C.B.A.		
J6		VJS2579	CONNECTOR(FEMALE) 4P	1	
P66005		VJP1244T	CONNECTOR(MALE) 4P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP06661A	4P OUTPUT JACK C.B.A.		
C67005,06		ECCF1H150JC	C.CAPACITOR 50V 15P	2	
J6,J7		VJS2579	CONNECTOR(FEMALE) 4P	2	
P67007		VJP1246T	CONNECTOR(MALE) 6P	1	
	■	VEP08138A	TBC MEMOTE C.B.A.		
P8901		VJP1251T	CONNECTOR(MALE) 11P	1	
P8902		VJS2542	CONNECTOR(FEMALE) 15P	1	
	■	VEP06662A	9P JACK C.B.A.		
P65001		VJP1246T	CONNECTOR(MALE) 6P	1	
P65002		VJS2074	CONNECTOR(FEMALE) 9P	1	
			MISCELLANEOUS		
E111		XSB3+6	SCREW	2	
	■	VEP06665A	34P C.B.A.		
C69001		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C69002		ECEA1CKS101	E.CAPACITOR 16V 100U	1	
C69003		ECEA0JKS101	E.CAPACITOR 6.3V 100U	1	
C69004		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C69005-17		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	13	
FL69001-05		VLF0630	FILTER	5	
FL69007-09		VLF0630	FILTER	3	
FL69011		VLF0630	FILTER	1	
FL69013-27		VLF0630	FILTER	15	
FL69029-33		VLF0630	FILTER	5	
FL69034		VLF0634	FILTER	1	
IC69001		MB89363BPF	IC	1	<R>
P69001		VJS1441	CONNECTOR(FEMALE) 24P	1	
P69002		VJS1327	CONNECTOR(FEMALE) 34P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q69001,02		MSD601-R	TRANSISTOR	2	<R>
QR69001,02		MRN1403	TRANSISTOR-RESISTOR	2	<R>
QR69004-10		MRN1403	TRANSISTOR-RESISTOR	7	<R>
R69001,02		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R69004-19		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	16	
R69020		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R69021		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R69022		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R69023		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R69024		ERQ12HJ3R9P	F.RESISTOR 1/2W 3.9	1	
RA69001,02		EXBP810103J	COMBI R-R 10K	2	
			MISCELLANEOUS		
E112		VMX0674	34P SPACER	1	
E113		VWJ0459	FLEXIBLE WIRE	1	<R>
	■	VEP06656A	KEYBOARD C.B.A.		
C62001		ECEA1HK220	E.CAPACITOR 50V 22U	1	
C62002,03		ECEA0JK221	E.CAPACITOR 6.3V 220U	2	
C62004		ECEA1HKR22	E.CAPACITOR 50V 0.22U	1	
C62005		ECEA0JK330	E.CAPACITOR 6.3V 53U	1	
C62006		ECCF1H080DC	C.CAPACITOR 50V 8P	1	
C62007		ECCF1H330JC	C.CAPACITOR 50V 33P	1	
C62010		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C62101,02		ECEA1CK101	E.CAPACITOR 16V 100U	2	
C62201-04		ECEA1CK100	E.CAPACITOR 16V 10U	4	
D62001		MA4075	DIODE	1	<R>
D62002		MA4091M	DIODE	1	<R>
D62003-08		MA167	DIODE	6	<R>
D62009-24		MA165	DIODE	16	<R>
D62030-39		MA165	DIODE	10	<R>
D62041		MA165	DIODE	1	<R>
D62050,51		LN31GCPHLG4	DIODE	2	<R>
D62052,53		LN440YCPUVT1	DIODE	2	<R>
FL62001		VSL0223	FILTER	1	
IC62001		UPD75208WA96	IC	1	<R>
IC62002		AN90B22	IC	1	<R>
IC62003		UPC339C	IC	1	<R>
IC62004,05		TA60	IC	2	<R>
IC62006		MN1280R	IC	1	<R>
L62001		VLQEL05F121K	COIL 120UH	1	
P62001		VJS1444	CONNECTOR(FEMALE) 24P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P62002		VJS1496	CONNECTOR(FEMALE) 19P	1	
P62004		VJP1877T	CONNECTOR(MALE) 6P	1	
P62101		VJS1444	CONNECTOR(FEMALE) 24P	1	
P62201		VJP1873T	CONNECTOR(MALE) 24P	1	
P62202		VJP1877T	CONNECTOR(MALE) 6P	1	
P62203		VJP1876T	CONNECTOR(MALE) 5P	1	
P62204,05		VJP1875T	CONNECTOR(MALE) 4P	2	
Q62001-04		2SB793	TRANSISTOR	4	<R>
Q62005,06		2SD636	TRANSISTOR	2	<R>
R62001		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R62002		ERDS2TJ683	C.RESISTOR 1/4W 68K	1	
R62003		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R62004		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R62005		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R62006-09		ERDS2TJ563	C.RESISTOR 1/4W 56K	4	
R62011		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R62013		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R62015		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R62017		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R62018-25		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	8	
R62026-37		ERDS2TJ330	C.RESISTOR 1/4W 33	12	
R62038,39		ERDS2TJ220	C.RESISTOR 1/4W 22	2	
R62041-43		ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R62046		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R62047-49		ERDS2TJ102	C.RESISTOR 1/4W 1K	3	
R62050		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R62051		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R62052-55		ERDS2TJ103	C.RESISTOR 1/4W 10K	4	
R62056		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R62101-12		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	12	
R62113		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R62201,02		ERDS2TJ561	C.RESISTOR 1/4W 560	2	
RA62001-03		EXBF5E103J	COMBI R-R 10K	3	
RA62004		EXBF5E472J	COMBI R-R 4.7K	1	
SW62001		VSP0213	SWITCH	1	<R>
SW62002		VSP0198	SWITCH	1	<R>
SW62003		VSP0194	SWITCH	1	<R>
SW62004		VSP0193	SWITCH	1	<R>
SW62005		VSP0239	SWITCH	1	<R>
SW62006		VSP0225	SWITCH	1	<R>
SW62007		VSP0195	SWITCH	1	<R>
SW62008		VSP0198	SWITCH	1	<R>
SW62009		VSP0201	SWITCH	1	<R>
SW62010		VSP0473	SWITCH	1	<R>
SW62011,12		VSP0199	SWITCH	2	<R>
SW62013		EVQQJ104K	SWITCH	1	<R>
SW62014		VSP0199	SWITCH	1	<R>
SW62020-22		VSS0324	SWITCH	3	<R>
SW62023		VSS0152	SWITCH	1	<R>
SW62024		VSS0321	SWITCH	1	<R>
SW62025,26		VSS0250	SWITCH	2	<R>
SW62027		VSS0225	SWITCH	1	<R>
SW62040		VSS0249	SWITCH	1	<R>
SW62041		VSS0250	SWITCH	1	<R>
SW62042		VSS0249	SWITCH	1	<R>
SW62101,02		VSR0043	SWITCH	2	<R>
VR62101-04		EVUFMAEA3B14	V.RESISTOR 10K	4	
VR62105,06		EVUF3AH20B14	V.RESISTOR 10K	2	
VR62201-04		EVJ7MAF15B14	V.RESISTOR 10K	4	
VR62205		EVJ7MAF15B15	V.RESISTOR 100K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR62206		EVJ7MAF15B14	V.RESISTOR 10K	1	
X62001		VSX0140	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E114		VGU5286	KNOB	2	<R>
E115		VMP2870	VR ANGLE	1	
E116		VMX0473	LED HOLDER	2	
E117		VWJ24AW190MM	FLEXIBLE WIRE	2	<R>
E118		XWGV4F7Y	SPACER	2	
E119		VJF0889	LCD HOLDER (R)	1	
E120		VJF0903	LCD HOLDER (L)	1	
	■	VEP04302A	METER C.B.A.		
C47001		ECEA1CK100	E.CAPACITOR 16V 10U	1	
D47001-03		LN440YCPUVT1	DIODE	3	<R>
D47006-08		LN440YCPUVT1	DIODE	3	<R>
D47011-13		LN440YCPUVT1	DIODE	3	<R>
P47001		VJP1233R	CONNECTOR(MALE) 6P	1	
P47002		VJP1229T	CONNECTOR(MALE) 2P	1	
P47003		VJP1231G	CONNECTOR(MALE) 4P	1	
R47001-03		ERDS2TJ331	C.RESISTOR 1/4W 330	3	
			MISCELLANEOUS		
E121		VGF0245	METER HOLDER	3	
E122		XWGV4F7Y	SPACER	9	
E123		VSE0066	VIDEO METER	1	<R>
E124		VSE0115	AUDIO METRE	2	<R>
	■	VEP06663A	EJECT C.B.A.		
D64001		MA165	DIODE	1	<R>
D64002-05		LN340GCPGLS	DIODE	4	<R>
P64001		VJP1876T	CONNECTOR(MALE)	1	
R64001,02		ERDS2TJ471	C.RESISTOR 1/4W 470	2	
SW64001		EVQQJ104K	SWITCH	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
E125		VGF0240	LED HOLDER	2	
	■	VEP06664A	POCKET SW C.B.A.		
D63001-09		MA165	DIODE	9	<R>
SW63001-09		VSS0126	SWITCH	9	<R>
SW63010		VSS0127	SWITCH	1	<R>
SW63011,12		VSS0126	SWITCH	2	<R>
SW63013,14		VSS0127	SWITCH	2	<R>
	■	VEP01428B	POWER C.B.A.		INCLUDIN THE POWER PACK C.B.A. (VEP01431A)
C1004,05		ECQU2A224MN	P.CAPACITOR 250V 0.22U	2	<!><R>
C1006,07		VCK0046	C.CAPACITOR	2	<!><R>
C1008,09		VCK0044	C.CAPACITOR	2	<!><R>
C1010		ECOS2DA821DA	E.CAPACITOR 200V 820U	1	
C1011		ECQE6473B11	P.CAPACITOR 630V 4700P	1	
C1012		ECKD2H471KB	C.CAPACITOR 500V 470U	1	
C1013		ECEA2GG3R3X	E.CAPACITOR 400V 3.3U	1	
C1014		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C1015		ECQB1H123JF	P.CAPACITOR 50V 0.012U	1	
C1016		ECA1VFZ560E	E.CAPACITOR 35V 56U	1	
C1017		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C1018		ECQE6473B11	P.CAPACITOR 630V 4700P	1	
C1019		ECKD2H471KB	C.CAPACITOR 500V 470U	1	
C1020		ECEA1HFS100	E.CAPACITOR 50V 10U	1	
C1021		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C1022		ECA1VFZ560E	E.CAPACITOR 35V 56U	1	
C1023		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C1024		ECEA2GG3R3X	E.CAPACITOR 400V 3.3U	1	
C1025		ECA1AFZ331E	E.CAPACITOR 10V 330U	1	
C1026-29		ECQB1H103JF	P.CAPACITOR 50V 0.01U	4	
C1030		ECEA1HFE560	E.CAPACITOR 50V 56U	1	
C1031		ECEA1HFS101	E.CAPACITOR 50V 100U	1	
C1032		ECKD2H101KB	C.CAPACITOR 500V 100P	1	
C1033		ECKD2H221KB	C.CAPACITOR 500V 220P	1	
C1034		ECA1EFZ561LE	E.CAPACITOR 25V 560U	1	
C1035		ECEA1AGE471	E.CAPACITOR 10V 470U	1	
C1036		ECEA1EGE471	E.CAPACITOR 25V 470U	1	
C1038		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C1039		ECEA1HFS100	E.CAPACITOR 50V 10U	1	
C1040		ECA1AFZ122LE	E.CAPACITOR 10V 1200U	1	
C1041		ECA1EFZ561LE	E.CAPACITOR 25V 560U	1	
C1042		ECEA1AGE471	E.CAPACITOR 10V 470U	1	
C1043		ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1044		ECA1AFZ392E	E.CAPACITOR 10V 3900U	1	
C1045		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C1046		ECA1AFZ821E	E.CAPACITOR 10V 820U	1	
C1048		ECA1EFZ471LE	E.CAPACITOR 25V 470U	1	
C1050		ECKD2H221KB	C.CAPACITOR 500V 220P	1	
C1051		ECEA1HFE560	E.CAPACITOR 50V 56U	1	
C1052		ECA1VFQ681E	E.CAPACITOR 35V 680U	1	
C1054		ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1055		ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1057		ECEA1VGE102	E.CAPACITOR 35V 1000U	1	
C1058		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C1059		ECQB1H154JF	P.CAPACITOR 50V 0.15U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C1060		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C1061		ECQB1H154JF	P.CAPACITOR 50V 0.15U	1	
C1062		ECKD2H101KB	C.CAPACITOR 500V 100P	1	
C1063		ECKD2H471KB	C.CAPACITOR 500V 470U	1	
C1201		ECEA1CGE10	E.CAPACITOR 16V 10U	1	
C1202		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1203		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C1204		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C1205		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C1206		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C1207		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1208,09		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C1210		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1211,12		ECEA1CGE101	E.CAPACITOR 16V 100U	2	
C1213		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
D1001		RB402D	DIODE	1	<R>
D1002		8P2M	DIODE	1	<R>
D1003-05		VSD0002	DIODE	3	<R>
D1006		MA4030-L	DIODE	1	<R>
D1007		MA178	DIODE	1	<R>
D1008,09		VSD0002	DIODE	2	<R>
D1010		MA4030-L	DIODE	1	<R>
D1011		MA178	DIODE	1	<R>
D1012		AK04	DIODE	1	<R>
D1013		VSD0001	DIODE	1	<R>
D1014		VSD0002	DIODE	1	<R>
D1015		FMLG12SP	DIODE	1	<R>
D1016		FMB-G14L	DIODE	1	<R>
D1017		MA165	DIODE	1	<R>
D1018-20		MA178	DIODE	3	<R>
D1021		FMB-G14L	DIODE	1	<R>
D1022		RK46	DIODE	1	<R>
D1023		RL4ZPLF	DIODE	1	<R>
D1024		VSD0001	DIODE	1	<R>
D1025		FMLG12SP	DIODE	1	<R>
D1026		MA165	DIODE	1	<R>
D1027,28		TL431CLP	IC	2	<R>
D1029		MA178	DIODE	1	<R>
D1030		MA4150-M	DIODE	1	<R>
D1031,32		MA178	DIODE	2	<R>
D1033		MA165	DIODE	1	<R>
D1034		MA178	DIODE	1	<R>
D1201		MA165	DIODE	1	<R>
D1202		MA3043-L	DIODE	1	<R>
D1203		MA3180-L	DIODE	1	<R>
D1204		MA151K	DIODE	1	<R>
D1205		MA3043-L	DIODE	1	<R>
D1206		8P2M	DIODE	1	<R>
D1207		MA151K	DIODE	1	<R>
D1208		MA3056-L	DIODE	1	<R>
D1209		MA3068-H	DIODE	1	<R>
D1210		8P2M	DIODE	1	<R>
D1211		MA3180-L	DIODE	1	<R>
D1212		MA3130-L	DIODE	1	<R>
D1213		MA165	DIODE	1	<R>
D1214		MA167	DIODE	1	<R>
F1001		XBA1C40NU100	FUSE	1	<!><R>
IC1001,02		STRD6009E	IC	2	<R>
IC1201		UPC4556G	IC	1	<R>
IC1202		LM393PS	IC	1	<R>
L1001,02		ELF18D605	COIL	2	
L1003		VLQ0354	COIL	1	
L1004		VLQ0239	COIL	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L1005		VLQ0354	COIL	1	
L1006		VLQ0239	COIL	1	
P1001,02		VJP2638	CONNECTOR(MALE) 4P	2	
P1006		VJP1154	CONNECTOR(MALE) 12P	1	
P1007		VJP1247T	CONNECTOR(MALE) 7P	1	
P1008		VJP1252R	CONNECTOR(MALE) 12P	1	
P1201		VJR0189	CONNECTOR(MALE) 10P	1	
Q1001,02		PC111A	PHOTO COUPLER	2	<!><R>
Q1003,04		2SD638	TRANSISTOR	2	(R,S)<R>
Q1005		2SD1273	TRANSISTOR	1	(P,Q)<R>
Q1201,02		MSD601-R	TRANSISTOR	2	<R>
R1001		ERC12GM334	S.RESISTOR 1/2W 330K	1	
R1002		ERC12ZGK685	S.RESISTOR 1/2W 6.8M	1	
R1003		VSF0078	M.RESISTOR	1	<!><R>
R1004,05		ERDS2TJ102	C.RESISTOR 1/4W 1K	2	
R1006		ERG1SJ561	M.RESISTOR 1W 560	1	
R1007,08		ERDS2TJ153	C.RESISTOR 1/4W 15K	2	
R1009,10		ERDS2TJ684	C.RESISTOR 1/4W 680K	2	
R1011		ERG3SJ393	M.RESISTOR 3W 39K	1	
R1012		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1013		ERG2SJ470	M.RESISTOR 2W 47	1	
R1014		ERD2FCG681	C.RESISTOR 1/4W 680	1	
R1015		ERDS2TJ221	C.RESISTOR 1/4W 220	1	
R1016,17		ERDS2TJ684	C.RESISTOR 1/4W 680K	2	
R1018,19		ERDS2TJ153	C.RESISTOR 1/4W 15K	2	
R1020		ERG3SJ393	M.RESISTOR 3W 39K	1	
R1021		ERD2FCG102	C.RESISTOR 1/4W 1K	1	
R1022		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1023		ERDS2TJ221	C.RESISTOR 1/4W 220	1	
R1024		ERDS2TJ331	C.RESISTOR 1/4W 330	1	
R1025		ERDS2TJ560	C.RESISTOR 1/4W 56	1	
R1026		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1027		EROS2CKG1501	M.RESISTOR 1/4W 1.5K	1	
R1028		EROS2CKG1601	M.RESISTOR 1/4W 1.6K	1	
R1029		ERDS2TJ121	C.RESISTOR 1/4W 120	1	
R1030		ERG2SJ180	M.RESISTOR 2W 18	1	
R1031		EROS2CKG1801	M.RESISTOR 1/4W 1.8K	1	
R1032		EROS2CKG1201	M.RESISTOR 1/4W 1.2K	1	
R1033		ERQ12HJ1R5	F.RESISTOR 1/2W 1.5	1	
R1034		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1035		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R1036		ERG2SJ820U	M.RESISTOR 2W 82	1	
R1037		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R1038		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1039		ERG2SJ220U	M.RESISTOR 2W 22	1	
R1040		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1041		ERQ12HJ1R0P	F.RESISTOR 1/2W 1	1	
R1043-45		ERDS2TJ102	C.RESISTOR 1/4W 1K	3	
R1201		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R1202		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1203		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1204		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R1205		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1206		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R1207		ERJ6GEYG113	M.RESISTOR CH1/10W 11K	1	
R1208		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R1209		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1210		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R1211		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R1212		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1213		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1214		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R1215		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1216		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1217		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1218		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R1219		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R1220		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1221		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R1222		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1223		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R1224,25		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R1226		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R1227		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1228,29		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R1230		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R1231		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
T1001		VLT0609	TRANSFORMER	1	<!><R>
T1002		VLT0610	TRANSFORMER	1	<!><R>
			MIUSCELLANEOUS		
E126		VJF0318	FUSE HOLDER	2	<!><R>
E127		VMZ0429	FUSE COVER	1	<!><R>
E128		VMZ0965	CAPACITOR COVER	6	
E129		VMZ1305	CAPACITOR COVER	2	
E130		VSC1068	HEAT SINK	1	
E131		VSC3228	COVER	1	
E132		XTV3+8F	SCREW	1	
	■	VEP01429A	SUB POWER C.B.A.		
C1501		ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1502		ECEA1DPS681	E.CAPACITOR 16V 680U	1	
C1503		ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1504		ECEA1DPS681	E.CAPACITOR 16V 680U	1	
C1505		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C1506		ECEA1EGE102	E.CAPACITOR 25V 1000U	1	
C1507		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1508		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1509,10		ECEA1CGE470	E.CAPACITOR 16V 47U	2	
C1511		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1512,13		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C1514		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C1515		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
D1501		MA4130-M	DIODE	1	<R>
IC1501		STR9005	IC	1	<R>
IC1502		STR9012	IC	1	<R>
IC1503		AN7905F	IC	1	<R>
IC1504		AN7912F	IC	1	<R>
P1501		VJP1147	CONNECTOR(MALE) 12P	1	
P1502		VJP1146	CONNECTOR(MALE) 10P	1	
Q1501		2SD1273	TRANSISTOR	1	(P,Q)<R>
Q1502		2SD973	TRANSISTOR	1	(Q,R,S)<R>
R1501		ERDS2TJ224	C.RESISTOR 1/4W 220K	1	
R1503		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R1505		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
			MISCELLANEOUS		
E133		VSC1068	HEAT SINK	1	
E134		VSC3193	HEAT SINK	1	
E135		XTV3+8F	SCREW	6	
E136		XTV3+12F	SCREW	4	
	■	VEP04303A	FRONT JACK C.B.A.		
C43001		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C43005		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C43006,07		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C43010		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C43011		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C43012		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C43013		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C43014,15		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C43016		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C43017		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C43018		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C43028,29		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C43040-42		ECKF1H122KB	C.CAPACITOR 50V 1200P	3	
D43001		MA3068	DIODE	1	<R>
FL43001-04		VLF0523	FILTER	4	
IC43001		MC14053BF	IC	1	<R>
IC43002		UPC4556G	IC	1	<R>
IC43003		TA7325P	IC	1	<R>
P43001		VJP2981B005	CONNECTOR(MALE) 5P	1	
P43002		VJP1250T	CONNECTOR(MALE) 10P	1	
P43003		VJP1243T	CONNECTOR(MALE) 3P	1	
Q43001,02		2SD1306	TRANSISTOR	2	<R>
Q43005,06		MSD602-R	TRANSISTOR	2	<R>
R43001		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R43002		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R43003		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R43004		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R43005		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R43008,09		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R43014		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R43015		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R43016		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R43017		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R43019		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R43020		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R43021		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R43022		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R43025		ERJ6GEYJ121	M.RESISTOR CH1/10W 120	1	
R43026,27		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R43028		ERJ6GEYJ121	M.RESISTOR CH1/10W 120	1	
R43029,30		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R43031		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R43032		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R43036,37		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R43038		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R43039		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R43040		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R43041		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R43042,43		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R43044,45		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	2	
R43046,47		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R43048		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
VR43001		EWKH1AY15B14	V.RESISTOR 10K	1	
			MISCELLANEOUS		
E152		VJJ0084	MIC JACK	2	<R>
E153		VJJ0094	HEADPHONE JACK	1	<R>
E154		VMP0909	ANGLE	1	
E155		VMP3148	VR ANGLE	3	
	■	VEP00P84A	MOTHER (1) C.B.A.		
P902		VJP1243T	CONNECTOR(MALE) 3P	1	
P904		VJP1248T	CONNECTOR(MALE) 8P	1	
P905		VJP2981B006	CONNECTOR(MALE)	1	
P906		VJP1252R	CONNECTOR(MALE) 12P	1	
P907		VJP1153	CONNECTOR(MALE)	1	
P908,09		VJS2926	CONNECTOR(FEMALE) 50P	2	
P910		VJP1252T	CONNECTOR(MALE) 12P	1	
P912		VJS2926	CONNECTOR(FEMALE) 50P	1	
P913		VJP1252T	CONNECTOR(MALE) 12P	1	
P914		VJP2981B005	CONNECTOR(MALE) 5P	1	
P916		VJP1248T	CONNECTOR(MALE) 8P	1	
P917		VJP2981B005	CONNECTOR(MALE) 5P	1	
P918		VJP1152	CONNECTOR(MALE) 8P	1	
P919		VJP1243T	CONNECTOR(MALE) 3P	1	
P920		VJP1154	CONNECTOR(MALE) 12P	1	
P921		VJS1444	CONNECTOR(FEMALE) 24P	1	
P922		VJS1477	CONNECTOR(FEMALE) 15P	1	
P923		VJP1245T	CONNECTOR(MALE) 5P	1	
P924,25		VJP1251T	CONNECTOR(MALE) 11P	2	
P926		VJP1244T	CONNECTOR(MALE) 4P	1	
P962		VJP1394T	CONNECTOR(MALE) 13P	1	
P963		VJP1243T	CONNECTOR(MALE) 3P	1	
P965		VJP2981B008	CONNECTOR(MALE) 8P	1	
			MISCELLANEOUS		
E145		VMP2849	ANGLE	1	
E146		VWJ24HW130MM	FLEXIBLE WIRE	1	<R>
E147		VWJ15HW100MM	FLEXIBLE WIRE	1	<R>
E148		VMZ1767	INSULATION	1	
E149		VHN0011	RIVET	4	
E150		XTV26+8F	SCREW	6	
E151		XTV3+8F	SCREW	2	
	■	VEP00P85A	MOTHER (2) C.B.A.		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P953-56		VJS2926	CONNECTOR(FEMALE) 50P	4	
P959		VJS1444	CONNECTOR(FEMALE) 24P	1	
P960		VJS1477	CONNECTOR(FEMALE) 15P	1	
P961		VJP1154	CONNECTOR(MALE) 12P	1	
P964		VJP1247T	CONNECTOR(MALE) 7P	1	
P966		VJP1232T	CONNECTOR(MALE) 5P	1	
P967		VJP1394T	CONNECTOR(MALE) 13P	1	
P968		VJP1246T	CONNECTOR(MALE) 6P	1	
P970,71		VJS1444	CONNECTOR(FEMALE) 24P	2	
P972		VJP1245T	CONNECTOR(MALE) 5P	1	
P973		VJP1244G	CONNECTOR(MALE) 4P	1	
P974,75		VJP1243T	CONNECTOR(MALE) 3P	2	
P976		VJP2981A006	CONNECTOR(MALE) 6P	1	
			MISCELLANEOUS		
E137		VMP2850	ANGLE	1	
E138		VJF0013	CLAMP	4	
E139		VMP2911	ANGLE	1	
E140		VSC3232	INSULATION	1	
E141		VHN0011	RIVET	6	
E142		VWJ24HW110MM	FLEXIBLE WIRE	2	<R>
E143		XTV26+8F	SCREW	8	
E144		XTV3+8F	SCREW	4	
	■	VEP06694A	FRONT CONNECT C.B.A.		
C62501,02		ECEA0JU102	E.CAPACITOR 6.3V 1000P	2	
C62503,04		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
IC62501-03		MC14053BCP	IC	3	<R>
L62501		VLQ0068	COIL	1	
P62501-04		VJS1444	CONNECTOR(FEMALE) 24P	4	
P62505		VJP1238T	CONNECTOR(MALE) 11P	1	
R62501,02		ERD2FCJ4R7	C.RESISTOR 1/4W 4.7K		
R62503		ERDS2TJ473	C.RESISTOR 1/4W 47K		
	■	VEP00K88C	FE HEAD C.B.A.		
C1401		ECEA1CK100	E.CAPACITOR 16V 10U	1	
C1402		ECQB1H472J	P.CAPACITOR 50V 4700U	1	
C1403		ECQB1H333K	P.CAPACITOR 50V 33U	1	
CR1401		EXED1032333T	COMBI C-R	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P1502		VJP1148	CONNECTOR(MALE) 2P	1	
Q1401		2SD636	TRANSISTOR	1	(R)<R>
T1401		EIQ7QF002B	COIL	1	
	■	VEK5100	MOTOR BASE C.B.A.		
P101		VJS1491	CONNECTOR 13P	1	
P102		VJP1229R	CONNECTOR 2P	1	
P103		VJP1229T	CONNECTOR 2P	1	
P104		VJP1232T	CONNECTOR 5P	1	
P105		VJP1229G	CONNECTOR 2P	1	
	■	VEK2657	TENSION SENSOR UNIT		
Q1504		ON1301	PHOTO INTERRUPTOR	1	<R>
R1502		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
	■	VEK4265	REV TENSION SENSOR UNIT		
			MISCELLANEOUS		
E156		VMA7987	REV PHOTO HOLDER	1	
E157		ON1108	PHOTO INTERRUPTOR	1	
	■	VEK3578	PHOTO TR. (L) UNIT		
C1501		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
Q1501		PN150NVS	PHOTO TR.	1	<R>
			MISCELLANEOUS		
E158		VMP0645	PHOTO TR. HOLDER	1	
	■	VEK4058	PHOTO TR. (R) UNIT		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C1502		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
P1508		VJS2165W	CONNECTOR (FEMALE) 6P	1	
Q1502		PN150NVS	PHOTO TR.	1	<R>
R1503		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
			MISCELLANEOUS		
E159		VMP0645	PHOTO TR. HOLDER	1	

ELECTRICAL REPLACEMENT PARTS LIST (AG-7650)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E1		VEP02360B	SERVO SYSTEM CONTROL C.B.A.	1	(NLA)<R>
E2		VEP02361A	SERVO DRIVE C.B.A.	1	(NLA)<R>
E3		VEP04299B	AUDIO (1) C.B.A.	1	(NLA)<R>
E4		VEP04300B	AUDIO (2) C.B.A.	1	(NLA)<R>
E5		VEP06655D	INTERFACE C.B.A.	1	(NLA)<R>
E7		VEP03750B	VIDEO PB C.B.A.	1	(NLA)<R> INCLUDING THE ACC SW C.B.A. (VEP00R26A) PB Y SUB (1) C.B.A. (VEP00R47A) PB Y SUB (2) C.B.A. (VEP00R52A)
E8		VEP00R26A	ACC SW C.B.A.	1	(NLA)<R> PARTS LIST IS INCLUDED IN VIDEO PB C.B.A.(VEP03750B)
E9		VEP00R47A	PB Y SUB (1) C.B.A.	1	(NLA)<R> PARTS LIST IS INCLUDED IN VIDEO PB C.B.A.(VEP03750B)
E10		VEP00R52A	PB Y SUB (2) C.B.A.	1	(NLA)<R> PARTS LIST IS INCLUDED IN VIDEO PB C.B.A.(VEP03750B)
E11		VEP03751B	SUB VIDEO C.B.A.	1	(NLA)<R>
E12		VEP05155B	HEAD AMP C.B.A.	1	(NLA)<R>
E13		VEP08135A	TBC (1) C.B.A.	1	(NLA)<R> INCLUDING THE TBC SUB (1) C.B.A. (VEP00R40A) TBC SUB (2) C.B.A. (VEP00R44A)
E14		VEP00R40A	TBC SUB (1) C.B.A.	1	(NLA)<R> PARTS LIST IS INCLUDED IN TBC (1) C.B.A.(VEP08135A)
E15		VEP00R44A	TBC SUB (2) C.B.A.	1	(NLA)<R> PARTS LIST IS INCLUDED IN TBC (1) C.B.A.(VEP08135A)
E16		VEP08136A	TBC (2) C.B.A.	1	(NLA)<R> INCLUDING THE D/A SUB C.B.A. (VEP00R46A)
E17		VEP00R46A	D/A SUB C.B.A.	1	(NLA)<R> PARTS LIST IS INCLUDED IN TBC (2) C.B.A.(VEP08136A)
E18		VEP08137A	TBC (3) C.B.A.	1	(NLA) <R> INCLUDING THE TBC SUB (3) C.B.A. (VEP00R48A)
E19		VEP00R48A	TBC SUB (3) C.B.A.	1	(NLA) <R> PARTS LIST IS INCLUDED IN TBC (3) C.B.A.(VEP08137A)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E20		VEP04301B	AUDIO JACK C.B.A.	1	(NLA)<R>
E21		VEP06657B	INPUT JACK C.B.A.	1	(NLA)<R>
E22		VEP06658A	OUTPUT JACK (1) C.B.A.	1	(NLA)<R>
E23		VEP06659A	OUTPUT JACK (2) C.B.A.	1	(NLA)<R>
E25		VEP06661A	4P OUTPUT JACK C.B.A.	1	(NLA)<R>
E26		VEP08138A	TBC REMOTE C.B.A.	1	(NLA)<R>
E27		VEP06662A	9P JACK C.B.A.	1	(NLA)<R>
E28		VEP06665B	34P C.B.A.	1	(NLA)<R>
E29		VEP06656B	KEYBOARD C.B.A.	1	(NLA)<R>
E30		VEP04302A	METER C.B.A.	1	(NLA)<R>
E31		VEP06663A	EJECT C.B.A.	1	(NLA)<R>
E32		VEP06664B	POCKET SW C.B.A.	1	(NLA)<R>
E33		VEP01428B	POWER C.B.A.	1	(NLA)<R> INCLUDING THE POWER PACK C.B.A. (VEP01431A)
E45		VEP01431A	POWER PACK C.B.A.	1	(NLA)<R> PARTS LIST IS INCLUDED IN POWER C.B.A.(VEP01428B)
E34		VEP01429A	SUB POWER C.B.A.	1	(NLA)<R>
E35		VEP04303B	FRONT JACK C.B.A.	1	(NLA)<R>
E36		VEP00P84B	MOTHER (1) C.B.A.	1	(NLA)<R>
E37		VEP00P85A	MOTHER (2) C.B.A.	1	(NLA)<R>
E38		VEP06694A	FRONT CONNECT C.B.A.	1	(NLA)<R>
E40		VEK5100	MOTOR BASE C.B.A.	1	(NLA)<R>
E41		VEK2657	TENSION SENSOR UNIT	1	(NLA)<R>
E42		VEK4265	REV TENSION SENSOR UNIT	1	(NLA)<R>
E43		VEK3578	PHOTO TR. (L) UNIT	1	(NLA)<R>
E44		VEK4058	PHOTO TR. (R) UNIT	1	(NLA)<R>
	■	VEP02360B	SERVO SYSTEM CONTROL C.B.A.		
C2001		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2002		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2003		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2004		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2005		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2006		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2007		ECEA1AKA330	E.CAPACITOR 10V 33U	1	
C2008		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2010		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2011		ECEA1AKA220	E.CAPACITOR 10V 22U	1	
C2012		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2013-15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2016,17		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C2018		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2019		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2020		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2021		ECQB1H152JF	P.CAPACITOR 50V 1500P	1	
C2023		ECQV1H184JZ	P.CAPACITOR 50V 0.18U	1	
C2025		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2027		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2028		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2029,30		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C2031		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C2032		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2033,34		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2035		ECEA1HKAR47	E.CAPACITOR 50V 0.47U	1	
C2036,37		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	2	
C2038		ECQB1H682JF	P.CAPACITOR 50V 680P	1	
C2039		ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C2040		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2041		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C2044,45		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	2	
C2047		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2048		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C2201		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2202,03		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2206		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2207,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2209-12		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	4	
C2213		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C2214		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2215		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2216		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2217,18		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2219		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2220,21		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2222		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2223,24		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2225		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2226		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2227		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2228-30		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2231		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2232-34		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2235		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2236		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2237,38		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C2239-41		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2243		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2244		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2245-47		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2318,19		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C2320		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C2321		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2322		ECEA1HKN4R7	E.CAPACITOR 50V 4.7U	1	
C2323		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C2327,28		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C2330		ECQP1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2331		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2335,36		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C2338		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2339		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2340-42		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2501		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2502		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2503		ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C2504		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2510		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2512-14		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2516-19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C60001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60002,03		ECEA1CU102	E.CAPACITOR 16V 1000U	2	
C60004		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60005		ECEA0JU332	E.CAPACITOR 6.3V 3300U	1	
C60006		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60007		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C60008		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C60009		ECEA0JU332	E.CAPACITOR 6.3V 3300U	1	
C60016		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C60018,19		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C60020		ECEA1VKA470	E.CAPACITOR 35V 47U	1	
C60021		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	1	
C60022		ECEA1AKA220	E.CAPACITOR 10V 22U	1	
C60023		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C60101		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60102		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C60103-06		ECQB1H102JF	P.CAPACITOR 50V 1000P	4	
C60107		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C60108		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C60109		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60110,11		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C60112		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C60501		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C60502		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C60503		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C60504		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60505		ECEA1CN101S	E.CAPACITOR 16V 100U	1	
C60506		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C60507		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
D2002		MA151WA	DIODE	1	<R>
D2003,04		MA151K	DIODE	2	<R>
D2005		MA151WK	DIODE	1	<R>
D2006		MA151WA	DIODE	1	<R>
D2007		MA151K	DIODE	1	<R>
D2008		MA165	DIODE	1	<R>
D2308		MA151K	DIODE	1	<R>
D2309		MA151WK	DIODE	1	<R>
D2501,02		MA151K	DIODE	2	<R>
D60001		11EQS04	DIODE	1	<R>
D60002		MA170	DIODE	1	<R>
D60003		11EQS04	DIODE	1	<R>
D60501,02		MA151K	DIODE	2	<R>
D60503		10E1	DIODE	1	<R>
D60504		MA151K	DIODE	1	<R>
D60505		MA170	DIODE	1	<R>
D60506		MA151K	DIODE	1	<R>
FL2201-06		VLF0634	FILTER	6	
FL2207-13		VLF0630	FILTER	7	
FL2214,15		VLF0634	FILTER	2	
FL2216-19		VLF0630	FILTER	4	
FL2220		VLF0632	FILTER	1	
IC2001		MN6742VCRM	IC	1	<R>
IC2002		MN1280R	IC	1	<R>
IC2003		BA226F	IC	1	<R>
IC2004		MC14052BF	IC	1	<R>
IC2005		MC14013BF	IC	1	<R>
IC2006		MC14070BF	IC	1	<R>
IC2007,08		MN53015VZW	IC	2	<R>
IC2009		MC14053BF	IC	1	<R>
IC2010,11		LM339NS	IC	2	<R>
IC2012		MC74HCU04F	IC	1	<R>
IC2013		LM358PS	IC	1	<R>
IC2201		MN19041VSSP	IC	1	<R>
IC2202		L7A0269	IC	1	<R>
IC2203		PCM55HP	IC	1	<R>
IC2205		AN79N05	IC	1	<R>
IC2206		MC14050BF	IC	1	<R>
IC2207		LM358PS	IC	1	<R>
IC2302		RC4556MB	IC	1	<R>
IC2303		LM358PS	IC	1	<R>
IC2304		LM393PS	IC	1	<R>
IC2305		MC14053BF	IC	1	<R>
IC2310		BA6302AF	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC2501,02		LM324NS	IC	2	<R>
IC2503		LM393PS	IC	1	<R>
IC2505		MC14053BF	IC	1	<R>
IC2506		MC14052BF	IC	1	<R>
IC2507		MC14053BF	IC	1	<R>
IC60001		TD62503FTP1	IC	1	<R>
IC60002		MN188166VSTE	IC	1	<R>
IC60004		MC74HC02AF	IC	1	<R>
IC60005		MN1280R	IC	1	<R>
IC60101		LM324NS	IC	1	<R>
IC60501		LM393PS	IC	1	<R>
IC60502		M54649L	IC	1	<R>
IC60503		MN1280R	IC	1	<R>
JW2001		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
JW2201		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
JW2203		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
JW2206		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L2001-06		VLQ0460-T	COIL 100UH	6	
L2201,02		VLQEL05K2R2K	COIL 2.2UH	2	
L2203		VLP0054	COIL	1	
L2205		VLP0054	COIL	1	
L2206,07		VLQEL05K2R2K	COIL 2.2UH	2	
L2301-03		VLQ0460-T	COIL 100UH	3	
L2502		VLQ0460-T	COIL 100UH	1	
L60101,02		VLQ0460-T	COIL 100UH	2	
L60501		VLQEL05F150K	COIL 15UH	1	
P2001,02		VJP2898B050	CONNECTOR(MALE) 50P	2	
P60001		VJP1229T	CONNECTOR(MALE) 2P	1	
P60002		VJP1231T	CONNECTOR(MALE) 4P	1	
P60502		VJS1475	CONNECTOR(FEMALE) 13P	1	
Q2001		MSC2295-B	TRANSISTOR	1	<R>
Q2002		MSD601-R	TRANSISTOR	1	<R>
Q2303-05		MSD601-R	TRANSISTOR	3	<R>
Q60001		2SD638	TRANSISTOR	1	(Q,R,S)<R>
Q60002		MSB709-R	TRANSISTOR	1	<R>
Q60003		2SB819	TRANSISTOR	1	(P,Q,R)<R>
Q60004		MSD601-R	TRANSISTOR	1	<R>
Q60005		2SB819	TRANSISTOR	1	(P,Q,R)<R>
Q60006		MSD601-R	TRANSISTOR	1	<R>
Q60007		MSD602-RT2	TRANSISTOR	1	<R>
Q60501-03		MSD601-R	TRANSISTOR	3	<R>
Q60504		2SB819	TRANSISTOR	1	(P,Q,R)<R>
Q60505		MSD601-R	TRANSISTOR	1	<R>
Q60506		2SD1273	TRANSISTOR	1	(P,Q)<R>
Q60507		MSD601-R	TRANSISTOR	1	<R>
Q60508		2SB941	TRANSISTOR	1	(P,Q,R)<R>
Q60509		MSD601-R	TRANSISTOR	1	<R>
QR2001-06		MRN1404	TRANSISTOR-RESISTOR	6	<R>
QR2304,05		MRN2402	TRANSISTOR-RESISTOR	2	<R>
QR2306		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR2308		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR2309		MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR2501-05		MRN1404	TRANSISTOR-RESISTOR	5	<R>
QR60001		MRN2402	TRANSISTOR-RESISTOR	1	<R>
QR60002		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR60004		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR60005		UN2114	TRANSISTOR-RESISTOR	1	<R>
QR60006,07		MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR60501		MRN1402	TRANSISTOR-RESISTOR	1	<R>
QR60502		MRN2402	TRANSISTOR-RESISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR60503		MRN1404	TRANSISTOR-RESISTOR	1	<R>
R2001		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R2002		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2004		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R2005-07		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R2008		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2009,10		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R2013		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2014,15		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	2	
R2017,18		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2019		ERJ6GEYJ124	M.RESISTOR CH1/10W 120K	1	
R2020		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2021		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R2022		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2024,25		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2027		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2029		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2030		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2031		ERJ6GEYG331	M.RESISTOR CH1/10W 330	1	
R2032		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2033		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2035,36		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	2	
R2037,38		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2039		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2040-42		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R2043		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2044		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2045		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R2046		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2047		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2048		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R2049,50		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2202		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2203		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2204		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R2205,06		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2207		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2208		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2209-11		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	3	
R2212		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2213-18		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	6	
R2220-29		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	10	
R2331		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2333		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2334		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2335		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R2336		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2337		ERJ6GEYG242	M.RESISTOR CH1/10W 2.4K	1	
R2338		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R2339		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2340,41		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	2	
R2342		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R2343		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2344		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R2345		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R2346		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R2347		ERJ6GEYJ124	M.RESISTOR CH1/10W 120K	1	
R2352		ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R2353,54		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2355		ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R2356		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2357,58		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R2359		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2360,61		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R2362		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R2363		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R2364		ERJ6GEYG913	M.RESISTOR CH1/10W 91K	1	
R2370,71		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2379		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2501		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R2502		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R2503		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2504		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R2505		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R2506		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R2507-10		ERJ6GEYG104	M.RESISTOR CH1/10W 100K	4	
R2511-15		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	5	
R2516,17		ERJ6GEYG223	M.RESISTOR CH1/10W 22K	2	
R2518-20		ERJ6GEYG124	M.RESISTOR CH1/10W 120K	3	
R2521		ERJ6GEYG154	M.RESISTOR CH1/10W 150K	1	
R2522		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2523,24		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R60001		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60002		ERD2FCG220	C.RESISTOR 2W 22	1	
R60003		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60004		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R60005		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R60006		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60007		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R60008		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60009		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R60010		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R60011		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R60012		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R60013		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R60014-18		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R60019		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R60020		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R60021-24		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R60026-29		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R60030		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R60031		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60032-35		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	4	
R60036		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60037		ERQ12HJ330	F.RESISTOR 1/2W 33	1	
R60038,39		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R60043,44		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R60045		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60101		ERJ6GEYG102	M.RESISTOR CH1/10W 1K	1	
R60102		ERJ6GEYG302	M.RESISTOR CH1/10W 3K	1	
R60103-05		ERJ6GEYG102	M.RESISTOR CH1/10W 1K	3	
R60106		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R60107		ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R60108-11		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R60501		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R60502,03		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	2	
R60504		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R60505		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R60506		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R60507,08		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R60509		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R60510,11		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R60512		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R60513		ERJ6GEYJ121	M.RESISTOR CH1/10W 120K	1	
R60514		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R60515		ERJ6GEYJ474	M.RESISTOR CH1/10W 470K	1	
R60516		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R60517-19		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	3	
R60520,21		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R60522		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R60523		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R60524		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R60525		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R60526		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R60527,28		ERG1SJ300	M.RESISTOR 1W 30	2	
R60529		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R60530		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
SW60001		VSS0126	SWITCH	1	<R>
VR2001		EVM31GA00B54	V.RESISTOR 10K	1	
VR2002,03		EVM31GA00B15	V.RESISTOR 100K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
X2001		VSX0296	CRYSTAL OSCILLATOR	1	<R>
X2002		VSX0060	CRYSTAL OSCILLATOR	1	<R>
X2201		VSX0197	CRYSTAL OSCILLATOR	1	<R>
X60001		VSX0230	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E46		VML2143	P.C.BOARD PULLER	2	
E47		VWJ13AW200MM	FLEXIBLE WIRE	1	<R>
E48		XYN26+C12	SCREW	4	
E49		XNG26EFXS	NUT	4	
	■	VEP02361A	SERVO DRIVE C.B.A.		
C2701		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2702		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C2703		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C2704		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C2705		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2708		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2709		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2711		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2712		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2713		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2714		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2715		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
C2716,17		ECEA1EU101	E.CAPACITOR 25V 100U	2	
C2718		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2720		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C2721		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2722		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C2723		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2724		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C2725		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2726		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2727-30		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	4	
C2731-33		ECEA1HKN4R7	E.CAPACITOR 50V 4.7U	3	
C2734		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2735		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2736		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2737		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2738		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2739		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2740		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2741		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2742		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2743		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2744-46		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2747-50		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2751-53		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2754		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2755-57		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	3	
C2758		ECEA1HKNR47	E.CAPACITOR 50V 0.47U	1	
C2759		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2760		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2761		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2762		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C2763		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2764		ECEA0JKS220	E.CAPACITOR 6.3V 22U	1	
C2765		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2766		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2767		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2768		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C2769,70		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C2771		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2772	ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2773	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2774	ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C2775	ECEA0JU682	E.CAPACITOR 6.3V 6800U	1	
C2776	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2777	ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C2778-80	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2781-84	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2785-87	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2788,89	ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C2790	ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2791	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2792	ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C2793	ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C2794-96	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2797-00	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2801-03	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2804,05	ECEA1EU472	E.CAPACITOR 25V 4700U	2	
C2806	ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
D2701	MA4180L	DIODE	1	<R>
D2703	MA4160L	DIODE	1	<R>
D2704	11DQ04	DIODE	1	<R>
D2705	MA151K	DIODE	1	<R>
D2715,16	11DQ04	DIODE	2	<R>
D2717-19	11EQS04	DIODE	3	<R>
D2720	MA153	DIODE	1	<R>
D2721	11EQS04	DIODE	1	<R>
D2722	MA153	DIODE	1	<R>
D2723	11EQS04	DIODE	1	<R>
D2724,25	MA153	DIODE	2	<R>
D2726	MA151WK	DIODE	1	<R>
D2727	11EQS04	DIODE	1	<R>
D2728	MA151K	DIODE	1	<R>
D2729	MA151WK	DIODE	1	<R>
D2730	11EQS04	DIODE	1	<R>
D2731	MA151K	DIODE	1	<R>
D2732	11EQS04	DIODE	1	<R>
D2733	MA151K	DIODE	1	<R>
D2734,35	MA4160L	DIODE	2	<R>
D2736-38	MA4160H	DIODE	3	<R>
D2739	MA151K	DIODE	1	<R>
IC2701	BA6149LS	IC	1	<R>
IC2702	LM358PS	IC	1	<R>
IC2703	AN3815K	IC	1	<R>
IC2704	XRA6435S	IC	1	<R>
IC2705	LM393PS	IC	1	<R>
IC2706	LM358PS	IC	1	<R>
IC2707	LM393PS	IC	1	<R>
IC2708	LM358PS	IC	1	<R>
IC2709	LM393PS	IC	1	<R>
IC2710,11	UPC4556G	IC	2	<R>
IC2712,13	XRA6435S	IC	2	<R>
IC2714	LM339NS	IC	1	<R>
IC2715	AN78N12	IC	1	<R>
IC2716	LM358PS	IC	1	<R>
IC2717	MC14053BF	IC	1	<R>
L2702-04	ELC10E014	COIL 330UH	3	
L2705-12	VLQ0460	COIL 100UH	8	
L2713	VLQ0199	COIL	1	
P2701	VJP1234T	CONNECTOR(MALE) 7P	1	
P2702	VJP1393T	CONNECTOR(MALE) 13P	1	
P2703	VJP1239T	CONNECTOR(MALE) 12P	1	
P2704	VJP1237T	CONNECTOR(MALE) 10P	1	
P2705	VJP1932T	CONNECTOR(MALE) 15P	1	
P2706,07	VJS1413	CONNECTOR(FEMALE) 15P	2	
P2709	VJP1230R	CONNECTOR(MALE) 3P	1	
P2710	VJP1141	CONNECTOR(MALE) 2P	1	
Q2703	MSB709-R	TRANSISTOR	1	<R>
Q2704	2SB1151	TRANSISTOR	1	<R>
Q2705-07	2SD601A	TRANSISTOR CHIP	3	<R>
Q2709-11	2SB772	TRANSISTOR	3	<R>
Q2712	MSD601-R	TRANSISTOR	1	<R>
Q2713-16	MSB709-R	TRANSISTOR	4	<R>
QR2701	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR2702	MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR2703	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR2704	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR2705	MRN1404	TRANSISTOR-RESISTOR	1	<R>
R2701	ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R2702-05	ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	4	
R2709,10	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2711	ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R2712	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2713	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2714-17	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R2718	ERG2SJ561	M.RESISTOR 2W 560	1	
R2719	ERDS2TJ270	C.RESISTOR 1/4W 27	1	
R2725	ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R2726	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2727	ERDS2TJ150	C.RESISTOR 1/4W 15	1	
R2729	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2730	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2731	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2732	ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R2733	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2734	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2735	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2736	ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R2737	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2738,39	ERDS2TJ150	C.RESISTOR 1/4W 15	2	
R2740	ERX12SJR68	M.RESISTOR 1/2W 0.68	1	
R2741,42	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	2	
R2743	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R2744	ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R2745	ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R2746	ERG1SJ330	M.RESISTOR 1W 33	1	
R2747	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2748	ERJ6GEYJ124	M.RESISTOR CH1/10W 120K	1	
R2749,50	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2751	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2752-54	ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2755	ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
R2756	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R2757	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2758	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2759	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2760	ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R2761,62	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2763,64	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2765	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2766	ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2767	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2768	ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R2769,70	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2771,72	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R2773,74	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2775	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2776	ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R2777	ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2778-82		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R2783		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2784		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2785		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R2786,87		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2788		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2789		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R2790		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R2791		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2792		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2793		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R2794		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R2795		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R2796		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R2797		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R2798		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2799		ERG2SJ221	M.RESISTOR 2W 220	1	
R2800		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R2801		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R2802		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R2803		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R2804		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2805-07		ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2808		ERX12SJ1R0	M.RESISTOR 1/2W 1	1	
R2809		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R2810,11		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2812		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2813,14		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R2815		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R2816,17		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R2818		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R2819		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2820		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R2821		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R2822		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R2823-25		ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2826		ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
R2827		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R2828,29		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R2830		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2831		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R2832		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R2833		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2834		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2835		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R2836		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R2837		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R2838,39		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2840		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2841		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2842,43		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2844		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R2845		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R2846-48		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	3	
R2849		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R2850		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R2852		ERJ6GEYG102	M.RESISTOR CH1/10W 1K	1	
R2853,54		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R2855		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2856		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R2857		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R2858-61		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R2862,63		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
X2701		VSX0136	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E50		VMC0075	HEAT SINK ANGLE	3	
E51		VMC0493	HEAT SINK ANGLE	1	
E52		VSC1215	HEAT SINK	4	
E53		VSC2806	SHIELD CASE (TOP)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E54		VSC2807	SHIELD CASE (MAIN)	1	
E55		VSC2808	SHIELD CASE (BOTTOM)	1	
E56		VJF0384	CLAMP	1	
E57		VMP2874	C.B.ANGLE	1	
E58		VHN0011	RIVET	6	
E59		VSC3233	SHIELD PLATE	1	
E60		VMP2920	C.B.ANGLE	1	
E61		XTV3+8F	SCREW	3	
E62		XYE3+EF6	SCREW	1	
	■	VEP04299B	AUDIO (1) C.B.A.		
C40002		ECSF1CE106	T.CAPACITOR 16V 10U	1	
C40003		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C40004		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40011,12		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C40014		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C40016		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C40017		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C40018		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40019		ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C40020		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40021		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40022		ECEA16M10	E.CAPACITOR 16V 10U	1	
C40023		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40024		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C40025		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C40026		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C40027		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40028		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40029		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40030		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40031		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40032		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40033		ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C40034		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40035		ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40036		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40038		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40039		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40046		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C40048		ECSF1CE106	T.CAPACITOR 16V 10U	1	
C40049		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40058		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40059		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40060		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40061		ECEA16M10	E.CAPACITOR 16V 10U	1	
C40063		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40064		ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C40065		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C40066		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C40068		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C40069		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40070		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C40071		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C40072		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C40073		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40074		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40075		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40076		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40077		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40078		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40079		ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C40080		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40081		ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40083		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40084		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40085		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40087		ECQB1H562JF	P.CAPACITOR 50V 5600P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C40112		ECEA50M1	E.CAPACITOR 50V 1U	1	
C40125,26		ECEA10M22	E.CAPACITOR 10V 22U	2	
C40127		ECEA16M10	E.CAPACITOR 16V 10U	1	
C40128		ECEA50M1	E.CAPACITOR 50V 1U	1	
C40129,30		ECEA10M22	E.CAPACITOR 10V 22U	2	
C40131		ECEA16M10	E.CAPACITOR 16V 10U	1	
C40134,35		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	2	
C40501		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C40502		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C40504		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40507,08		ECEA1CKA101	E.CAPACITOR 16V 100U	2	
C40509		ECEA1AKA330	E.CAPACITOR 10V 33U	1	
C40510		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40511		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40512		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C40513,14		ECUM1H300JCN	C.CAPACITOR CH 50V 30P	2	
C40515		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40516		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40517		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40518		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40519		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40520		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C40521		ECEA1CKA330	E.CAPACITOR 16V 33U	1	
C40522		ECEA1AKA330	E.CAPACITOR 10V 33U	1	
C40523		ECEA1CU471	E.CAPACITOR 16V 470U	1	
D40001		MA151K	DIODE	1	<R>
D40004,05		MA151K	DIODE	2	<R>
D40007		MA151K	DIODE	1	<R>
D40501		MA156	DIODE	1	<R>
D40502		MA151K	DIODE	1	<R>
D40503		MA151WK	DIODE	1	<R>
D40504		MA151K	DIODE	1	<R>
FL40001		VLF0402	FILTER	1	
FL40003		VLF0402	FILTER	1	
IC40001		HA12005	IC	1	<R>
IC40002		NE646N	IC	1	<R>
IC40004		HA12005	IC	1	<R>
IC40005		NE646N	IC	1	<R>
IC40501		M50727	IC	1	<R>
IC40502		MN1280R	IC	1	<R>
IC40503		AN360	IC	1	<R>
IC40504		MC14053BF	IC	1	<R>
IC40505		MN1280R	IC	1	<R>
JW1		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L40006		VLQEL06F471K	COIL 470UH	1	
L40009		VLQEL06F471K	COIL 470UH	1	
L40501,02		VLQEL06F102K	COIL 1UH	2	
P40001		VJP1230R	CONNECTOR(MALE) 3P	1	
P40002		VJP1230T	CONNECTOR(MALE) 3P	1	
P40003		VJP1233T	CONNECTOR(MALE) 6P	1	
P40004		VJP1393T	CONNECTOR(MALE) 13P	1	
Q40009		2SD1306	TRANSISTOR	1	<R>
Q40010		2SD636	TRANSISTOR	1	<R>
Q40020		2SD1306	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q40021		2SD636	TRANSISTOR	1	<R>
Q40024,25		2SD1149	TRANSISTOR	2	(R,S)<R>
Q40027		MSB710-R	TRANSISTOR	1	<R>
Q40032		2SB643	TRANSISTOR	1	<R>
Q40045-48		2SC2405	TRANSISTOR	4	(S,T)<R>
Q40503		MSB709-R	TRANSISTOR	1	<R>
Q40504		2SB710A	TRANSISTOR	1	(R,S)<R>
QR40007-10		MRN2403	TRANSISTOR-RESISTOR	4	<R>
QR40018		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR40019,20		MRN2403	TRANSISTOR-RESISTOR	2	<R>
QR40021		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR40502		MRN1403	TRANSISTOR-RESISTOR	1	<R>
R40008		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R40009,10		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R40021		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R40022		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R40024		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40026		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40027		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40028		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40029		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40030		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40031		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40032		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R40035		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40036		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R40037,38		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R40039		ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R40040		ERJ6GEYJ274	M.RESISTOR CH1/10W 270K	1	
R40041		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40042		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40043		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R40044		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R40045		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40046		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R40047		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40064		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R40065,66		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R40077		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R40078		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R40079		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40080		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40081		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40083		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40084		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40085		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40086		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R40087		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R40089		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40090		ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R40091		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40092		ERJ6GEYJ274	M.RESISTOR CH1/10W 270K	1	
R40093		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40094		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40095		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R40096		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R40097		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40098		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R40099		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40140		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40141		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40145,46		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	2	
R40150		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R40151		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40164		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40168		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40172,73		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	2	
R40200		ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R40201		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R40202		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40203		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40204		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40205		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40206		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40207		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40208		ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R40209		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40210		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R40211		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40212		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40213		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40214		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R40215		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R40501		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R40502		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R40503		ERJ6GEYJ151	M.RESISTOR CH1/10W 150K	1	
R40504		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40505		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R40506-09		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R40510		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R40511		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40512		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R40514		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R40515		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40516		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R40517		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R40518		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
R40519		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40520		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R40521		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R40522		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R40523		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R40524		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R40525		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
RY40501		VSY2067	RELAY	1	<R>
TG40001,02		VJR0098	TEST PIN	2	
VR40001		EVMF6SA00B23	V.RESISTOR 2K	1	
VR40002		EVMF6SA00B14	V.RESISTOR 10K	1	
VR40003		EVMF6SA00B23	V.RESISTOR 2K	1	
VR40004		EVMF6SA00B14	V.RESISTOR 10K	1	
VR40006,07		EVMF6SA00B23	V.RESISTOR 2K	2	
X40501		VSX0285	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E63		VJF0553	P.C.SUPPORT	3	
E64		VKC0329	HINGE	3	
E65		VSC2106	SHIELD CASE (TOP)	1	
E66		VSC2107	SHIELD CASE (MAIN)	1	
E67		VSC2108	SHIELD CASE (BOTTOM)	1	
E68		VMP0902	ANGLE	1	
E69		VJF0876	WIRE CLAMP	4	
E73		XTV3+6F	SCREW	3	
E104		VMZ1393	INSULLATION SHEET	1	
	▮	VEP04300B	AUDIO (2) C.B.A.		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C41001,02		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C41003,04		ECEA1CSN100	E.CAPACITOR 16V 10U	2	
C41005,06		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	2	
C41007-9		ECEA1CKA470	E.CAPACITOR 16V 47U	3	
C41010		ECEA1HKS221	E.CAPACITOR 50V 220U	1	
C41012		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C41015		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C41017		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C41019		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41021		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41022		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C41023		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41024		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41025		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C41026,27		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C41501		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C41502		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41504,05		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C41507		ECEA0JKS330	E.CAPACITOR 6.3V 33U	1	
C41508		ECEA1CPZ220	E.CAPACITOR 16V 22U	1	
C41509		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41510		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C41511,12		ECEA1HPH3R3	E.CAPACITOR 50V 3.3U	2	
C41513		ECQB1H682JF	P.CAPACITOR 50V 680P	1	
C41514		ECQB1H223JF	P.CAPACITOR 50V 6800P	1	
C41515		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41516		ECEA1EKA100	E.CAPACITOR 25V 10U	1	
C41517		ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C41518		ECQB1H223JF	P.CAPACITOR 50V 6800P	1	
C41519		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41520		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C41521		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C41522-24		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C41525		ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C41526		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C41527		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C41528-30		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C41531		ECEA1APH101	E.CAPACITOR 10V 100U	1	
C41532		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C41533		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41534		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C41535		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C41536		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C41537		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C41538-40		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C41541		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C41542		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41543		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41544		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41545		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C41546		ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C41547-49		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C41550		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C41551		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C41552		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41553		ECQB1H223JF	P.CAPACITOR 50V 6800P	1	
C41554		ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C41555		ECEA1EKA100	E.CAPACITOR 25V 10U	1	
C41556		ECQB1H223JF	P.CAPACITOR 50V 6800P	1	
C41557		ECQB1H682JF	P.CAPACITOR 50V 680P	1	
C41558		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41561		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41570		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41601		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41602		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C41603		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41605,06		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C41610		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C41611,12		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	2	
C41613,14		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C41615		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C41616		ECUM1H472ZFN	C.CAPACITOR CH 50V 4700P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D41001,02		OA90	DIODE	2	<R>
D41003		MA3043	DIODE	1	<R>
D41004,05		OA90	DIODE	2	<R>
D41006		MA3043	DIODE	1	<R>
D41007,08		MA4068M	DIODE	2	<R>
D41011		MA157	DIODE	1	<R>
D41012		MA151K	DIODE	1	<R>
D41013,14		MA3030	DIODE	2	<R>
D41501		MA151K	DIODE	1	<R>
D41601		MA151WK	DIODE	1	<R>
FL41501		VLF0696	FILTER	1	
IC41001,02		MC14053BF	IC	2	<R>
IC41003,04		UPC4558G2	IC	2	<R>
IC41005		UPC393G	IC	1	<R>
IC41006		MC14053BF	IC	1	<R>
IC41007		UPC4558G2	IC	1	<R>
IC41008		RC2068MD	IC	1	<R>
IC41010		MC14053BF	IC	1	<R>
IC41501		BA7705K1	IC	1	<R>
IC41502		AN78N05	IC	1	<R>
IC41503		AN3912	IC	1	<R>
IC41601		BA7740FS	IC	1	<R>
JW41003		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L41001-04		VLQEL06F102K	COIL 1UH	4	
L41501-03		VLQ0460-T	COIL 100UH	3	
L41602		VLQ0460-T	COIL 100UH	1	
P41001		VJP1246T	CONNECTOR(MALE) 6P	1	
P41002		VJP1248T	CONNECTOR(MALE) 8P	1	
P41003		VJP1246R	CONNECTOR(MALE) 6P	1	
P41004		VJP1250T	CONNECTOR(MALE) 10P	1	
P41501		VJP1246R	CONNECTOR(MALE) 6P	1	
P41601		VJP1244T	CONNECTOR(MALE) 4P	1	
Q41001		2SD638	TRANSISTOR	1	(Q,R,S)<R>
Q41002		2SB643	TRANSISTOR	1	(Q,R,S)<R>
Q41003		2SD1306	TRANSISTOR	1	<R>
Q41004		MSD601-R	TRANSISTOR	1	<R>
Q41006,07		MSD601-R	TRANSISTOR	2	<R>
Q41501,02		2SD1306	TRANSISTOR	2	<R>
Q41503		MSB601-R	TRANSISTOR	1	<R>
Q41602		XN1501	TRANSISTOR-TRANSISTOR	1	<R>
QR41001		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR41503		MRN2403	TRANSISTOR-RESISTOR	1	<R>
QR41505		MRN2403	TRANSISTOR-RESISTOR	1	<R>
QR41601		MRN2402	TRANSISTOR-RESISTOR	1	<R>
R41001		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R41002		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R41003		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R41004		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R41005-10		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	6	
R41013,14		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R41015		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41016,17		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R41019		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R41020		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41021		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41022		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41033		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R41040		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41041		ERJ6GEYJ680	M.RESISTOR CH1/10W 68	1	
R41042		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R41043		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41044		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41045		VRE0034E302	M.RESISTOR 3K	1	
R41046		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R41047		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R41048		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41049-51		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	3	
R41053-55		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	3	
R41056		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R41057		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R41058		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41059		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R41060,61		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R41062,63		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R41502,03		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R41504		ERJ6GEYJ225	M.RESISTOR CH1/10W 2.2M	1	
R41505		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R41507		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R41508,09		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R41510		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41511,12		ERJ6GEYG821	M.RESISTOR CH1/10W 820	2	
R41513		ERJ6GEYG681	M.RESISTOR CH1/10W 680	1	
R41514		VRE0034E112	M.RESISTOR CH1/10W 1.1K	1	
R41515		VRE0034E103	M.RESISTOR CH1/10W 10K	1	
R41516		ERJ6GEYG183	M.RESISTOR CH1/10W 18K	1	
R41517		ERJ6GEYG562	M.RESISTOR CH1/10W 5.6K	1	
R41518		ERJ6GEYG104	M.RESISTOR CH1/10W 100K	1	
R41519		ERJ6GEYG303	M.RESISTOR CH1/10W 30K	1	
R41520		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R41521		VRE0034E393	M.RESISTOR CH1/10W 39K	1	
R41522,23		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R41524		VRE0034E223	M.RESISTOR CH1/10W 22K	1	
R41525		ERJ6GEYG163	M.RESISTOR CH1/10W 16K	1	
R41526		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R41527		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R41528		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R41529		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41530,31		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R41532		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41533		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R41535		ERJ6GEYG103	M.RESISTOR CH1/10W 10K	1	
R41536		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R41537		ERJ6GEYG303	M.RESISTOR CH1/10W 30K	1	
R41538		ERJ6GEYG104	M.RESISTOR CH1/10W 100K	1	
R41539		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R41540		ERJ6GEYG562	M.RESISTOR CH1/10W 5.6K	1	
R41541		ERJ6GEYG183	M.RESISTOR CH1/10W 18K	1	
R41542		VRE0034E103	M.RESISTOR CH1/10W 10K	1	
R41543		VRE0034E112	M.RESISTOR CH1/10W 1.1K	1	
R41544		ERJ6GEYG681	M.RESISTOR CH1/10W 680	1	
R41545,46		ERJ6GEYG821	M.RESISTOR CH1/10W 820	2	
R41547		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R41548		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R41563		VRE0034E622	M.RESISTOR 6.2K	1	
R41564		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R41601		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41603		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41606		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R41607		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R41608		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R41609		ERJ6GEYG243	M.RESISTOR CH1/10W 12K	1	
R41610		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R41611		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R41613		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R41617,18		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	2	
R41619		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R41620,21		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R41622		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R41624		ERJ6GEYJ100	M.RESISTOR CH1/10W 10	1	
R41626,27		ERJ6GEYJ100	M.RESISTOR CH1/10W 10	2	
R41628,29		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
TG41501		VJR0098	TEST PIN	1	
VR41001-03		EVN32CA00B53	V.RESISTOR 5K	3	
VR41501		EVN32CA00B24	VARIABLE 20K	1	
VR41502		EVN32CA00B14	V.RESISTOR 10K	1	
VR41503		EVN32CA00B15	V.RESISTOR 100K	1	
VR41504		EVN32CA00B24	VARIABLE 20K	1	
VR41505		EVN32CA00B14	V.RESISTOR 10K	1	
VR41506		EVN32CA00B23	V.RESISTOR 2K	1	
VR41507-09		EVN32CA00B14	V.RESISTOR 10K	3	
			MISCLELLANEOUS		
E74		VSC2085	SHIELD CASE (TOP)	1	
E75		VSC2086	SHIELD CASE (BOTTOM)	1	
E76		VSC2419	SHIELD CASE (MAIN)	1	
	■	VEP06655D	INTERFACE C.B.A.		
C61001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C61002,03		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C61004		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C61005-07		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C61008		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C61009,10		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	2	
C61011		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C61012		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C61013		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	1	
C61014		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C61015		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C61016-21		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
D61001-03		11EQS04	DIODE	3	<R>
IC61001		HD641180XF6	IC	1	<R>
IC51002		VSI0735B	IC	1	<R>
IC61003		MBM221220	IC	1	<R>
IC61004		UPD65012FA19	IC	1	<R>
IC61005		TL7705CPSB	IC	1	<R>
IC61006		MC74HC4538F	IC	1	<R>
IC61007		MC74HC32AF	IC	1	<R>
IC61008		MC74HC02AF	IC	1	<R>
IC61009		MC74HC04AF	IC	1	<R>
IC61010		MC74HC14AF	IC	1	<R>
IC61011		MC34051M	IC	1	<R>
J61001-03		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
J61006-09		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L61001		VLQ0460	COIL	1	
L61002		VLQ0067	COIL	1	
L61003,04		VLP0054	COIL	2	
P61001		VJP2898B050	CONNECTOR(MALE) 50P	1	
P61002		VJP1246T	CONNECTOR(MALE) 6P	1	
P61003		VJS1441	CONNECTOR(FEMALE) 24P	1	
P61004		VJS2898B044	CONNECTOR(FEMALE) 44P	1	
P61005,06		VJP1244T	CONNECTOR(MALE) 4P	2	
Q61001		MSB709-R	TRANSISTOR	1	<R>
R61001,02		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R61003,04		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R61005,06		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R61007-33		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	27	
R61034		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R61035		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R61036,37		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R61038,39		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
X61001		VSX0373	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E77		VML2143	P.C.BOARD PULLER	2	
E78		VJS2336A028	IC SOCKET	1	
E79		XYN26+C8	SCREW	2	
E80		XNG26E	NUT	4	
E81		XYN26+C12	SCREW	2	
	■	VEP03750B	VIDEO PB C.B.A.		INCLUDING THE ACC SW C.B.A. (VEP00R26A) PB Y SUB (1) C.B.A. (VEP00R47A) PB Y SUB (2) C.B.A. (VEP00R52A)
C33501		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C33502		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33503		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C33505,06		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C33508		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C33509		ECEA0JSN470	E.CAPACITOR 6.3V 47U	1	
C33510,11		ECEA1AKA220	E.CAPACITOR 10V 22U	2	
C33512		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C33513		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33514		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C33515		ECEA0JKN470	E.CAPACITOR 6.3V 47U	1	
C33516		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C33519		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33520		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33521		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C33522		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33523		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C33524,25		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C33526		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C33527		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33528		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C33529		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C33530		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33531,32		ECEA1HKA010	E.CAPACITOR 50V 1U	2	
C33533		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33534		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33535		ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	1	
C33536		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33537		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33538		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33539		ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	1	
C33540		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C33541		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33542		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C33543		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C33544		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33545		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33546		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33547		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C33549		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33550		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C33552		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C33554		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33555		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33556		ECEA0JSN470	E.CAPACITOR 6.3V 47U	1	
C33557		ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C33559		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C33560		ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C33562		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C33563		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C33564		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C33565		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33566		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33568		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33569		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33570		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33571		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C33572		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C33573		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C33575		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C33578		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C33579		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C33580		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C33581		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33701		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33702		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33703		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33704-06		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C33707		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C33708,09		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C33710		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C33711		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33712		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33713		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33714		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C33715,16		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C33717		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33718		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C33719		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33720		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C33721		ECEA0JSN470	E.CAPACITOR 6.3V 47U	1	
C33722		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C33723		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33724		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33725,26		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C33727		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33729		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33731		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33732,33		ECEA0JKA101	E.CAPACITOR 6.3V 100U	2	
C33734		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33809		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33810		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33811		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C33812		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C33813		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C33814,15		ECEA1HKN010	E.CAPACITOR 50V 1U	2	
C33816		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C33817		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33818		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33819		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33820		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33821		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33822,23		ECEA0JKA101	E.CAPACITOR 6.3V 100U	2	
C33824,25		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C33828-30		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	3	
C33831		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C33835		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C33836		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C33837		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33839		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C33840		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C33841		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C33843		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C33844,45		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C33846		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C33847		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C33848		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33849		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33852,53		ECEA0JSN470	E.CAPACITOR 6.3V 47U	2	
C33854		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33856		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C33857		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33858		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33862		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33863		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C33864		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C33868		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C33869		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C33870		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33871		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C33872		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C33873,74		ECEA0JKA221	E.CAPACITOR 6.3V 220U	2	
C33875		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33876		ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C33878		ECEA0JKK100	E.CAPACITOR 6.3V 10U	1	
C33879		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C33880,81		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C33883		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C33884		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C33885		ECEA1HKN0R1	E.CAPACITOR 50V 0.1U	1	
C34001-06		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C34007		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C34008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C34101		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C34102		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C34103		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C34104		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C34105		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C34106		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C34107,08		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C34109		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C34110		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C34111		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C34112		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C34113		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C34114		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C34115,16		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C34117		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C34118		ECEA1HKAR47	E.CAPACITOR 50V 0.47U	1	
C34119		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C34120		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C34121		ECUM1H681JCN	C.CAPACITOR CH 50V 680P	1	
C34122		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C34123		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C34124		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C34125		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C34126		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C34127		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C34128		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C34129,30		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C34131,32		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C34133		ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C35701		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C35702		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35703		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C35704		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C35705		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35706		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C35707		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C35709		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35710		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C35711		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35712		ECEA1AKN100	E.CAPACITOR 10V 10U	1	
C35713		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35714		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35715		ECEA1AKN100	E.CAPACITOR 10V 10U	1	
C35716,17		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	2	
C35718		ECQP1H911GZ	P.CAPACITOR 50V 910P	1	
C35719		ECCF1H560JC	C.CAPACITOR 50V 56P	1	
C35720		ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	
C35721		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35722		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C35723		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C35724		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35725		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35727		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35728,29		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35730		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35731-33		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	
C35734		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C35735,36		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35737		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35738		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C35739		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35740		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C35741-43		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C35744		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C35745		ECQP1H471GZ	P.CAPACITOR 50V 470P	1	
C35746		ECCF1H151JC	P.CAPACITOR 50V 150P	1	
C35747		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C35748		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35749		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35750		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35751,52		ECEA0JKA101	E.CAPACITOR 6.3V 100U	2	
C35753		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35755		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35756		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35757		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35758-60		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	
C35763		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35765		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35766		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35768		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C35771		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35778		ECCF1H560JC	C.CAPACITOR 50V 56P	1	
C35780		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C35901		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35902		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C35905		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35906		ECEA1HKS3R3	E.CAPACITOR 50V 3.3U	1	
C35907-09		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C35910		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35912,13		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C35914,15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35916		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C35917-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C35921		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C35922		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35923		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35924		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35925		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C35926		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C35927		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C35928		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38401		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38402,03		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38404		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C38405,06		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38407		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C38408		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38409		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C38410,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38412		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38413-15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C38416		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C38417-20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C38421		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38422		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38423		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C38424		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38501-04		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	4	
C38505		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C38506		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C38507,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38509		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38510		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C38511,12		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38513		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C38514		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C38515,16		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C38517		ECQB1H153JF	P.CAPACITOR 50V 0.015U	1	
C38518		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38521		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38522		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38523		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38524,25		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38526		ECQB1H224JF	P.CAPACITOR 50V 0.22U	1	
C38527		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38528		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38529		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38530		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C38531		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C38532		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C38534,35		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38536		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38537		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38538		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C38539		ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C38540		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C38541		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C38542		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38543		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C38544		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38545		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C38546		ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C38547		ECQB1H124JF	P.CAPACITOR 50V 0.12U	1	
C38548		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C38549		ECEA1AKA330	E.CAPACITOR 10V 33U	1	
C38550,51		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C38552		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38553		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38554		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38555,56		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38558-60		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C38561		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C38562		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38563		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38564		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C38566		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38567		ECEA1HKS3R3	E.CAPACITOR 50V 3.3U	1	
C38568		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C38569		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38570		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38571		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38572		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38573-75		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C38576		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38577		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C38578		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38579		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C38580		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C38581		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38582		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38583,84		ECST1VY224	T.CAPACITOR 35V 0.22U	2	
C38585		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C38586		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38589		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C38590		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38591,92		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C38607		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38609		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C38610		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38611		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C38612		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38613		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C38614		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38615		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C38616		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38617		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38618		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38619,20		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C38621		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38622		ECEA1CN101S	E.CAPACITOR 16V 100U	1	
C38623		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C38626		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38627,28		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C38629		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38630		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C38631		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C38633		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C38705		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C38707		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C38708		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38709-11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C38712		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C38713		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C38714		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38715		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C38716		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38717		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C38718		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38719		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38720		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38721		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38722		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38723		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C38724		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38725		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38726		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C38727		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C38728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38729		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38730		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C38731		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C38732		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38733		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C38734,35		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	2	
C38737		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38740		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38741		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C38742		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38743		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C38745		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38747		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38748		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C38749,50		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	2	
C38751		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38752,53		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	2	
C38754		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C38755-57		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C38758		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38759		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38760		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C38762		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38763,64		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	2	
C38765,66		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	2	
C38767		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38768		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C38769		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C38770		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38771		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C38772		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C38773-76		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C38777		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C38778		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38779		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C38780		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38782		ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C38783		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38785		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38787,88		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C38789		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C38790		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38791		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C38792		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38793		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38794		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38795		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C38796,97		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C38798		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C38799		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C38800-03		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C38804		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C38805-08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C38809		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38810		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C38811		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C38812		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C38814		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C38815		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
CT34101		ECV1ZW20X64T	V.CAPACITOR 20P	1	
CT38501		ECV1ZW30X64T	V.CAPACITOR 30P	1	
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D33503		1SS283	DIODE	1	<R>
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D33801,02		1SS283	DIODE	2	<R>
D33803		MA157	DIODE	1	<R>
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D35901		MA151K	DIODE	1	<R>
D38401		MA3100L	DIODE	1	<R>
D38501-03		MA151K	DIODE	3	<R>
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D38507,08		MA151K	DIODE	2	<R>
D38510		MA151K	DIODE	1	<R>
D38511		MA151WK	DIODE	1	<R>
D38512-15		MA151K	DIODE	4	<R>
D38703		MA151WK	DIODE	1	<R>
D38704		MA151K	DIODE	1	<R>
DL33501		VLF0824	DELAY	1	
DL33503		ELB4D015	FILTER	1	
DL33504		VLD0125	DELAY LINE	1	
DL33506		VLD0125	DELAY LINE	1	
DL33507,08		VLF0824	DELAY	2	
DL38501		VLD0132B	DELAY	1	
DL38504		VLD0130	DELAY	1	
DL38701,02		VLD0153	DELAY	2	
DL38704		VLD0129	DELAY	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
DL38705		VLD0121-B	DELAY	1	
FL33501		VLF0878	FILTER	1	
FL33502		ELB4M066	FILTER	1	
FL33701		ELB4S036	FILTER	1	
FL33702,03		ELB4R042	FILTER	2	
FL33704		VLF0823	FILTER	1	
FL33705		VLF0526	FILTER	1	
FL33801		VLD0202	FILTER	1	
FL33802		VLF0824	DELAY	1	
FL35701		VLF0592	FILTER	1	
FL35702		VLF0878	FILTER	1	
FL35901		ELB5A052	FILTER	1	
FL35902		ELB4R031	FILTER	1	
FL38501		VLF0102	FILTER	1	
FL38502		VLF0105	FILTER	1	
FL38503		VLF0882	FILTER	1	
FL38701		VLF0729	FILTER	1	
FL38702,03		ELB4R042	FILTER	2	
IC33501,02		BA7605N	IC	2	<R>
IC33503		TA7357P	IC	1	<R>
IC33504		VCR0308	IC	1	<R>
IC33505		VCR0313	IC	1	<R>
IC33701		AN3470SC	IC	1	<R>
IC33702		VCR0299	IC	1	<R>
IC33703		VCR0313	IC	1	<R>
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IC38502-05		NJM2233BMA	IC	4	<R>
IC38506		VCR0312	IC	1	<R>
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IC38701		AN3470SC	IC	1	<R>
IC38702		AN3496S	IC	1	<R>
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IC38705		NJM2233BMA	IC	1	<R>
IC38707		NJM2233BMA	IC	1	<R>
J35701		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L33501		VLQ0460	COIL 100UH	1	
L33502		VLQEL05K8R2J	COIL 8.2UH	1	
L33503,04		VLQ0460	COIL 100UH	2	
L33505		VLQEL05K330J	COIL 33UH	1	
L33506		VLQ0460	COIL 100UH	1	
L33507,08		VLQEL05K560J	COIL 56UH	2	
L33509,10		VLQ0460	COIL 100UH	2	
L33511		ELJFA101JF	COIL 100UH	1	
L33513,14		VLQ0460	COIL 100UH	2	
L33516		VLQ0460	COIL 100UH	1	
L33517		VLQEL05K121J	COIL 120UH	1	
L33518		VLQEL05K680J	COIL 68UH	1	
L33519		VLQEL05K470J	COIL 47UH	1	
L33520		VLQEL05K560J	COIL 56UH	1	
L33701-05		VLQ0460	COIL 100UH	5	
L33803-05		VLQ0460	COIL 100UH	3	
L33806		VLQEL05K221J	COIL 220UH	1	
L33807,08		VLQ0460	COIL 100UH	2	
L33810		VLQ0460	COIL 100UH	1	
L34001		VLQ0460	COIL 100UH	1	
L34101		VLQEL05K150J	COIL 15UH	1	
L34102-06		VLQ0460	COIL 100UH	5	
L34107,08		VLQEL05K560J	COIL 56UH	2	
L35701,02		VLQ0460	COIL 100UH	2	
L35704-09		VLQ0460	COIL 100UH	6	
L35711,12		VLQ0460	COIL 100UH	2	
L35901		VLQEL05K471J	COIL 470UH	1	
L35902		VLQEL05K100J	COIL 10UH	1	
L35903		VLQEL05K390J	COIL 39UH	1	
L35904,05		VLQ0460	COIL 100UH	2	
L38401		VLQ0460	COIL 100UH	1	
L38402,03		VLQEL05K2R2J	COIL 2.2UH	2	
L38404		VLQ0460	COIL 100UH	1	
L38501		VLQ0460	COIL 100UH	1	
L38502		VLQEL05K821J	COIL 820UH	1	
L38503		VLQ0460	COIL 100UH	1	
L38504		VLQEL05K151J	COIL 150UH	1	
L38505		VLQEL05K681J	COIL 680UH	1	
L38506,07		VLQEL05K121J	COIL 120UH	2	
L38508-10		VLQ0460	COIL 100UH	3	
L38511		VLQEL05K120J	COIL 12UH	1	
L38512		VLQEL05K331J	COIL 330UH	1	
L38514-16		VLQ0460	COIL 100UH	3	
L38517,18		VLQEL05K150J	COIL 15UH	2	
L38522		VLQEL05K470J	COIL 47UH	1	
L38523		VLQEL05K331J	COIL 330UH	1	
L38525		VLQEL05K471J	COIL 470UH	1	
L38526,27		VLQEL05K470J	COIL 47UH	2	
L38701,02		VLQ0460	COIL 100UH	2	
L38703		VLQEL05K680J	COIL 68UH	1	
L38704		VLQ0460	COIL 100UH	1	
L38705,06		VLQEL05K680J	COIL 68UH	2	
L38707		VLQEL05K270J	COIL 27UH	1	
L38708		VLQEL05K680J	COIL 68UH	1	
L38709		VLQEL05K270J	COIL 27UH	1	
L38710,11		VLQEL05K181J	COIL 180UH	2	
L38712		VLQEL05K470J	COIL 47UH	1	
L38713		VLQEL05K100J	COIL 10UH	1	
L38714		VLQ0460	COIL 100UH	1	
L38715		VLQEL05K121J	COIL 120UH	1	
L38716,17		VLQEL05K150J	COIL 15UH	2	
L38718,19		VLQ0460	COIL 100UH	2	
L38720		VLQEL05K101J	COIL 100UH	1	
L38721		VLQ0460	COIL 100UH	1	
L38722		VLQEL05K470J	COIL 47UH	1	
L38723		VLQEL05K270J	COIL 27UH	1	
L38725		VLQEL05K270J	COIL 27UH	1	
P34001		VJP1235T	CONNECTOR(MALE) 8P	1	
P34002		VJP1234T	CONNECTOR(MALE) 7P	1	
P34003		VJP1145	CONNECTOR(MALE) 8P	1	
P34004		VJP1232T	CONNECTOR(MALE) 5P	1	
P34005		VJP2981A005	CONNECTOR(MALE) 5P	1	
P34006		VJP2981A008	CONNECTOR(MALE) 8P	1	
P34007		VJP2981A009	CONNECTOR(MALE) 9P	1	
P34008		VJP2981A006	CONNECTOR(MALE) 6P	1	
P34009		VJP1235T	CONNECTOR(MALE) 8P	1	
P34010		VJP1145	CONNECTOR(MALE) 8P	1	
P34011		VJP2981A006	CONNECTOR(MALE) 6P	1	
P34012		VJP1229T	CONNECTOR(MALE) 2P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P35901		VJP1237T	CONNECTOR(MALE) 10P	1	
P35902		VJP1235T	CONNECTOR(MALE) 8P	1	
P38502		VJP1233T	CONNECTOR(MALE) 6P	1	
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Q33507		2SD636	TRANSISTOR	1	(Q,R,S)<R>
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Q33511,12		MSB709-R	TRANSISTOR	2	<R>
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Q33521		MSC2295-B	TRANSISTOR	1	<R>
Q33522,23		MSB709-R	TRANSISTOR	2	<R>
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Q33525		MSB709-R	TRANSISTOR	1	<R>
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Q33829		MSC2295-B	TRANSISTOR	1	<R>
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Q33832,33		MSB709-R	TRANSISTOR	2	<R>
Q34101-03		MSD601-R	TRANSISTOR	3	<R>
Q34104-06		MSB709-R	TRANSISTOR	3	<R>
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Q34108		2SA1022-C	TRANSISTOR CHIP	1	(B,C)<R>
Q34109		MSB709-R	TRANSISTOR	1	<R>
Q35701		XN6534	TRANSISTOR	1	<R>
Q35702		XN6435	TRANSISTOR	1	<R>
Q35703		XN6534	TRANSISTOR	1	<R>
Q35704-06		MSD601-R	TRANSISTOR	3	<R>
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Q35708-11		MSD601-R	TRANSISTOR	4	<R>
Q35712		MSC2295-B	TRANSISTOR	1	<R>
Q35901-05		MSD601-R	TRANSISTOR	5	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q38401-03		MSD601-R	TRANSISTOR	3	<R>
Q38501		MSC2295-B	TRANSISTOR	1	<R>
Q38502		MSD601-R	TRANSISTOR	1	<R>
Q38503		2SA1022-C	TRANSISTOR CHIP	1	(B,C)<R>
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Q38505		MSC2295-B	TRANSISTOR	1	<R>
Q38507-11		MSD601-R	TRANSISTOR	5	<R>
Q38512,13		MSC2295-B	TRANSISTOR	2	<R>
Q38514-17		MSD601-R	TRANSISTOR	4	<R>
Q38518		MSB709-R	TRANSISTOR	1	<R>
Q38519		MSD601-R	TRANSISTOR	1	<R>
Q38520		MSC2295-B	TRANSISTOR	1	<R>
Q38521		MSB709-R	TRANSISTOR	1	<R>
Q38524-28		MSD601-R	TRANSISTOR	5	<R>
Q38532-36		MSD601-R	TRANSISTOR	5	<R>
Q38538		MSD601-R	TRANSISTOR	1	<R>
Q38539-49		MSC2295-B	TRANSISTOR	11	<R>
Q38701		MSC2295-B	TRANSISTOR	1	<R>
Q38702		MSD601-R	TRANSISTOR	1	<R>
Q38705		MSB709-R	TRANSISTOR	1	<R>
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Q38709		MSD601-R	TRANSISTOR	1	<R>
Q38710,11		MSB709-R	TRANSISTOR	2	<R>
Q38712		MSD601-R	TRANSISTOR	1	<R>
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Q38721		MSC2295-B	TRANSISTOR	1	<R>
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QR33703,04		MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR33802-04		MRN1404	TRANSISTOR-RESISTOR	3	<R>
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QR34005-07		MRN1404	TRANSISTOR-RESISTOR	3	<R>
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QR38502,03		MRN1403	TRANSISTOR-RESISTOR	2	<R>
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QR38510-13		MRN1404	TRANSISTOR-RESISTOR	4	<R>
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QR38517,18		MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR38519		MRN2403	TRANSISTOR-RESISTOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR38520	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR38521,22	MRN1403	TRANSISTOR-RESISTOR	2	<R>
QR38523-26	MRN1404	TRANSISTOR-RESISTOR	4	<R>
QR38528	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR38529	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR38530	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR38531,32	MRN2404	TRANSISTOR-RESISTOR	2	<R>
QR38533-35	MRN1404	TRANSISTOR-RESISTOR	3	<R>
QR38701	MRN1404	TRANSISTOR-RESISTOR	1	<R>
R33501	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R33502	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33503	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R33504	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33505	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33506	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33509,10	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R33511	ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R33512	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33513	ERJ6GEYJ124	M.RESISTOR CH1/10W 120K	1	
R33515	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33516	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33517	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33518	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33519	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33520	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R33521	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R33522	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33523	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R33524	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33525	ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R33526	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33527	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R33530	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33531	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33532	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R33533	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33534	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R33535	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33536	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33537	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33538	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33539	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R33540	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33541,42	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R33543	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33544	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33545	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R33546	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33547	ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R33548	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33549	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R33550,51	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33552	ERJ6GEYG132	M.RESISTOR CH1/10W 1.3K	1	
R33553	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33555,56	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	2	
R33558	ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R33559	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33560	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33562	ERJ6GEYJ474	M.RESISTOR CH1/10W 470K	1	
R33563	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33564	ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R33565	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33566	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33569	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R33570	ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R33571,72	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33574-76	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R33578	ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R33579	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33580	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33581	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R33582	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R33584	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33585	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R33586	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R33587	ERJ6GEYJ121	M.RESISTOR CH1/10W 120K	1	
R33589	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R33590	ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R33591	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R33592	ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R33593	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33594	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33595	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33596	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33597	ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R33598	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33599	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33600	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33601	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33602	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33603	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33604,05	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	2	
R33606	ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R33607	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33608	ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R33609	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33610,11	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33612	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R33614,15	ERJ6GEYJ270	M.RESISTOR CH1/10W 27	2	
R33618	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33621-23	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R33624	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33701	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33702	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33703	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33704	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R33705	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33706	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R33707	ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R33708	ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33709	ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R33710,11	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R33712	ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R33713	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33714	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33715	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33716	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R33717	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R33718	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33719,20	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R33721,22	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33723	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33724	ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R33725	ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R33726,27	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33728	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33729	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33730	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33731	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33732	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33734	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33735	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33736	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33737,38	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	2	
R33739	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33740	ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R33741	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33742	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33743	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33744	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33745,46	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	2	
R33747	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33748	ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R33749,50	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R33751	ERJ6GEYJ121	M.RESISTOR CH1/10W 120K	1	
R33752	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R33753	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R33754		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33755,56		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33757		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33758		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33759		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R33760		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R33761		ERJ6GEYJ820	M.RESISTOR CH1/10W 82	1	
R33762		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33763		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R33764		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R33765		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33766		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33769		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R33806-08		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	3	
R33809		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R33810		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33811,12		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	2	
R33813		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R33814		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R33815		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33816		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33817		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R33818		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33819		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33821		ERJ6GEYJ820	M.RESISTOR CH1/10W 82	1	
R33822		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33823		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33824		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33825		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R33826		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R33827		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33828		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33830		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R33831		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R33832		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33833		ERJ6GEYJ151	M.RESISTOR CH1/10W 1K	1	
R33834		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R33835,36		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R33837		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33838		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33839		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R33840		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33841,42		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R33843		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R33844		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R33845		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33846		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33847		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R33849,50		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33851		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33852		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R33853		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R33854		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33855		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R33856		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R33857		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R33858		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R33859		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33860		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33861		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R33869		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R33870		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R33871		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R33872		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33873,74		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R33875		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R33876		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33884		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33893		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33894		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33895		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R33896		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33901		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33902		ERJ6GEYJ334	M.RESISTOR CH1/10W 330K	1	
R33903		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R33904		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R33905		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R33906		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33907		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R33908		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R33909		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R33910		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33911		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33912		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R33913		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33914		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R33915		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R33916		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R33920		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R33921		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R33922		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R33923		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R33924		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R33925		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R33926		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R33927		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R33928		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R33929		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R33935		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R34001		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R34002		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R34003		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R34004		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R34009		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R34010,11		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R34012		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R34013		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R34016		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R34101		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R34102		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R34103		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R34104		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R34105		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R34106		ERJ6GEYJ274	M.RESISTOR CH1/10W 270K	1	
R34107		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R34108		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R34109		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R34110		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R34111		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R34112,13		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	2	
R34114		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R34115		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R34116,17		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R34118		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R34119		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R34120		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R34121		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R34122		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R34123		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R34124		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R34125		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R34126		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R34127		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R34128		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R34129,30		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R34131		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R34132		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R34133		ERJ6GEYG243	M.RESISTOR CH1/10W 12K	1	
R34134		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R34135		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R34136		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R34137		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R34139		ERJ6GEYJ335	M.RESISTOR CH1/10W 3.3M	1	
R34140		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R34141		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R34142		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R34143		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R35701,02		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	2	
R35703		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R35704		ERJ6GEYG513	M.RESISTOR CH1/10W 51K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R35705		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R35706		ERJ6GEYG513	M.RESISTOR CH1/10W 51K	1	
R35707,08		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	2	
R35709,10		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	2	
R35711		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35712		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R35713		ERJ6GEYJ121	M.RESISTOR CH1/10W 120K	1	
R35714		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35715,16		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R35717		ERJ6GEYG470	M.RESISTOR CH1/10W 47	1	
R35718,19		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	2	
R35720		ERJ6GEYG470	M.RESISTOR CH1/10W 47	1	
R35721		EROS2CKF1001	M.RESISTOR 1/4W 1K	1	
R35722		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R35723		EROS2CKF2700	M.RESISTOR 1/4W 270	1	
R35724		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R35725		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35726,27		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	2	
R35728		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35729		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35730,31		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R35732		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R35734,35		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R35736		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R35737		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35738		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35739		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35740		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35741		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R35742		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R35743		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35744		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R35745		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R35746		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35747		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R35748		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R35750		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R35751		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R35753		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R35754,55		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	2	
R35756		EROS2CKF1501	M.RESISTOR 1/4W 1.5K	1	
R35757		EROS2CKF2700	M.RESISTOR 1/4W 270	1	
R35758-61		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	4	
R35762		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R35764,65		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R35766		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R35767		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35768		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35769		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35770		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R35792		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R35793		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35901		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35903		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35904		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R35905,06		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R35907		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R35908		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35909		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35910		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35911		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35912		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35913		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35914		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35915		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R35916		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35917		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R35918-20		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R35921		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35922,23		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R35925		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35926		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38401		ERJ6GEYJ432	M.RESISTOR CH1/10W 4.3K	1	
R38402		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38403		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38404		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R38405		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38406		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R38407		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R38408,09		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R38410		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R38411		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R38501		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38502		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R38503		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38504		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38505,06		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R38507		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38508		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38509		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R38510		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38511		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38512,13		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	2	
R38514		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38515,16		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	2	
R38517		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38518		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38519		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38520		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38521,22		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R38523		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38524		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38525		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38526		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38527		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38531		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38532		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R38533		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38534		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38535		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38536		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R38537		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38538,39		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R38540		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R38541		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38542		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38543		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38544		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38545		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R38546		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R38547		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R38548		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38549		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R38550		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38551		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38552		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38553,54		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38555		ERJ6GEYJ513	M.RESISTOR CH1/10W 51K	1	
R38556		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38557		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R38558		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38559,60		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38561		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38562		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R38563		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38564,65		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38566		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38567,68		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38569		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38570-72		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R38573		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38574		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R38575		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38576		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38577		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38578-80		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R38582		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R38583		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38584		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38585		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R38586		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38587		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R38588		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38589		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38590		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38592		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38593		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R38594		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38595		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R38596		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38597		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R38598		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38599,00		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R38601,02		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R38603		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38604,05		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	2	
R38606,07		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R38608		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38609		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38610		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R38619		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38622		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38624		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R38625,26		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38627		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
R38628		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R38629		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38630		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38631		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38632,33		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38635		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R38636		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R38637		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38639		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R38640		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38641,42		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R38643		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R38644		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38645		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R38647		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38650		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38651		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38652		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38653		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38654		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38655,56		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R38657		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38658		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38659		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38660		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38661		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38663		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38664,65		ERJ6GEYJ820	M.RESISTOR CH1/10W 82	2	
R38666		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R38667		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38668		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R38669		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38670,71		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R38672		ERJ6GEYJ202	M.RESISTOR CH1/10W 2K	1	
R38673		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R38674		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38675		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38676		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38677		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38678,79		ERJ6GEYJ335	M.RESISTOR CH1/10W 3.3M	2	
R38681		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38701		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R38702		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38703		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38704		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38705		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R38706		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38707		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38708		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38709		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R38710		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38711		ERJ6GEYJ621	M.RESISTOR CH1/10W 620	1	
R38712		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38713		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R38714-20		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	7	
R38721		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38722		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R38723		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38724		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38725-28		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	4	
R38729		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38730		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R38731		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38732		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38733		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R38734		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38736		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38737		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38740		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38741		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38742		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38743		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38745		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38746		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38747		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38748		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38749		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38750		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38751		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38752		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38753		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38754		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R38755		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R38756		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38757		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38758		ERJ6GEYJ121	M.RESISTOR CH1/10W 120K	1	
R38759		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38760		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38761		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38762		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38763		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38765-67		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R38768		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38769		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38770		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38771-73		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	3	
R38776		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38777		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38778		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R38779		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38780		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38781		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R38782		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38784		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38785		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R38786		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38787		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38788		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38789		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R38790		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R38791		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R38792		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38793		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38794		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R38795		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38796		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R38797		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38798		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R38799		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38800		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R38801		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38803		ERJ6GEYJ824	M.RESISTOR CH1/10W 820K	1	
R38804		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38805		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R38806,07		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R38808		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38809		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38810		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R38811		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38812		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R38813		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R38814		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38815		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38816		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R38817		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R38818		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R38819,20		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	2	
R38821		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R38822		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38823		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R38825		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38826		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38828		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38829		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38830		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R38831		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38833		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38834		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38835		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R38836		ERJ6GEYJ121	M.RESISTOR CH1/10W 120K	1	
R38837		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38838		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R38839		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38840		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R38841		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38842		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R38843		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R38844		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R38845		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R38846		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R38847		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R38848		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R38849,50		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	2	
R38851		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R38853		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
RA34001		EXBP88103J	COMBI.R-R 10K	1	
RA34002		EXBP84103J	COMBI.R-R 10K	1	
TG33701		VJR0098	TEST PIN	1	
TG38501-03		VJR0098	TEST PIN	3	
TG38701-03		VJR0098	TEST PIN	3	
TH33701-03		ERTD2FHL102S	THERMISTOR 1K	3	
TH35701		ERTD2FHL332S	THERMISTOR 3.3K	1	
TH38701		ERTD2FHL102S	THERMISTOR 1K	1	
VR33501,02		EVMF6SA00B13	V.RESISTOR 1K	2	
VR33503		EVMF6SA00B14	V.RESISTOR 10K	1	
VR33504		EVMF6SA00B32	V.RESISTOR 300	1	
VR33505-08		EVMF6SA00B13	V.RESISTOR 1K	4	
VR33509		EVMF6SA00B52	V.RESISTOR 500	1	
VR33701		EVMF6SA00B23	V.RESISTOR 2K	1	
VR33702,03		EVMF6SA00B13	V.RESISTOR 1K	2	
VR33704,05		EVMF6SA00B52	V.RESISTOR 500	2	
VR33707		EVMF6SA00B23	V.RESISTOR 2K	1	
VR33709		EVMF6SA00B23	V.RESISTOR 2K	1	
VR33802,03		EVMF6SA00B13	V.RESISTOR 1K	2	
VR33805		EVMF6SA00B53	V.RESISTOR 5K	1	
VR33807		EVMF6SA00B22	V.RESISTOR 200	1	
VR33809		EVMF6SA00B53	V.RESISTOR 5K	1	
VR33812,13		EVMF6SA00B53	V.RESISTOR 5K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR34101		EVMF6SA00B24	V.RESISTOR 20K	1	
VR34102		EVMF6SA00B13	V.RESISTOR 1K	1	
VR35701		EVMF6SA00B14	V.RESISTOR 10K	1	
VR35702		EVMF6SA00B22	V.RESISTOR 200	1	
VR35901		EVMF6SA00B24	V.RESISTOR 20K	1	
VR35902		EVMF6SA00B14	V.RESISTOR 10K	1	
VR38502		EVMF6SA00B14	V.RESISTOR 10K	1	
VR38505-09		EVMF6SA00B13	V.RESISTOR 1K	5	
VR38704-06		EVMF6SA00B14	V.RESISTOR 10K	3	
VR38707		EVMF6SA00B13	V.RESISTOR 1K	1	
VR38708		EVMF6SA00B23	V.RESISTOR 2K	1	
VR38709,10		EVMF6SA00B13	V.RESISTOR 1K	2	
VR38711		EVMF6SA00B23	V.RESISTOR 2K	1	
VR38713		EVMF6SA00B22	V.RESISTOR 200	1	
VR38714		EVMF6SA00B52	V.RESISTOR 500	1	
VR38716		EVMF6SA00B23	V.RESISTOR 2K	1	
X34101		VSX0197	CRYSTAL OSCILLATOR	1	<R>
X38501		VSX0060	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E86		VSC2690	SHIELD CASE (MAIN)	1	
E87		VSC2691	SHIELD CASE (BOTTOM)	1	
E88		VSC2689	SHIELD CASE (TOP)	1	
E89		VMX0985	SPACER	1	
	■	VEP03751B	SUB VIDEO C.B.A.		
C35501		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35502		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35503		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35505		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35506,07		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C35509		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35510		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35511		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C35512		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35513		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35514,15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35516		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C35518		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35519		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35520		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C35521		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C35522		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C35523		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35524		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35525		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C35526		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35527		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35528		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35529,30		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35532		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35534		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35535		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35536,37		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35538		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C35539		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35540		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C35541,42		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35543		ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C35544		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35546		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C35547		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C35548		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C35549	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C35550	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C35551	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35553	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C35554	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35555	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C35556	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35557	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C35558	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35559	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C35560	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35561	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C35562	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C35565	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C35566,67	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C35569	ECUM1H681JCN	C.CAPACITOR CH 50V 680P	1	
C35570	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C35579	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C35580	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C35581	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C35582	ECCF1H220JC	C.CAPACITOR 50V 22P	1	
FL35501	VLD0205	FILTER	1	
FL35502	VLD0206	FILTER	1	
FL35503	ELB4Q053	FILTER	1	
IC35501	VCR0311	IC	1	<R>
IC35502,03	AN607P	IC	2	<R>
IC35504,05	VCR0311	IC	2	<R>
IC35506	MC74HC4053F	IC	1	<R>
IC35507	AN78N05	IC	1	<R>
J35501	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J35505	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L35501	VLQ0460	COIL 100UH	1	
L35502	VLQEL05K271J	COIL 270UH	1	
L35504	VLQEL05K4R7J	COIL 4.7UH	1	
L35505	VLQEL05K8R2J	COIL 8.2UH	1	
L35506-10	VLQ0460	COIL 100UH	5	
L35512	VLQ0460	COIL 100UH	1	
L35513	VLQEL05K220J	COIL 22UH	1	
L35514	VLQEL05K101J	COIL 100UH	1	
L35515	VLQEL05K180J	COIL 18UH	1	
L35516	VLQEL05K221J	COIL 220UH	1	
L35517	VLQEL05K270J	COIL 27UH	1	
L35519	VLQEL05K8R2J	COIL 8.2UH	1	
L35520	VLQEL05K100J	COIL 10UH	1	
L35522	VLQ0460	COIL 100UH	1	
L35601	VLQEL05K100J	COIL 10UH	1	
L35602	VLQEL05K271J	COIL 270UH	1	
P35501	VJP1239T	CONNECTOR(MALE) 12P	1	
P35502	VJP1237T	CONNECTOR(MALE) 10P	1	
P35503	VJP1235T	CONNECTOR(MALE) 8P	1	
Q35509-11	2SC2404	TRANSISTOR CHIP	3	(B,C)<R>
Q35512	MSC2295-B	TRANSISTOR	1	<R>
Q35513,14	MSD601-R	TRANSISTOR	2	<R>
Q35515-20	MSC2295-B	TRANSISTOR	6	<R>
Q35521-23	MSD601-R	TRANSISTOR	3	<R>
Q35529-33	MSC2295-B	TRANSISTOR	5	<R>
Q35534	MSD601-R	TRANSISTOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q35535,36	MSC2295-B	TRANSISTOR	2	<R>
Q35537	MSD601-R	TRANSISTOR	1	<R>
QR35501-03	MRN1404	TRANSISTOR-RESISTOR	3	<R>
QR35512	MRN1404	TRANSISTOR-RESISTOR	1	<R>
R35409	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35501,02	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R35504	ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R35505,06	ERJ6GEYJ151	M.RESISTOR CH1/10W 150K	2	
R35511	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R35516	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R35517	ERJ6GEYJ181	M.RESISTOR CH1/10W 180	1	
R35518,19	ERJ6GEYJ151	M.RESISTOR CH1/10W 150K	2	
R35521	ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R35523	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R35527	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35529,30	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R35531-33	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R35534	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R35535	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35536	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R35537	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R35538,39	ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R35540	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35541	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R35542	ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R35544	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35545	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35546	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R35547	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R35548,49	ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	2	
R35550	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35551	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35552,53	ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R35554	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35555,56	ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R35557	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35558	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35559	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R35560	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35561	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R35562	ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R35563	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R35564	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35567	ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R35570	ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R35571	ERJ6GEYJ151	M.RESISTOR CH1/10W 150K	1	
R35572	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R35573	ERJ6GEYJ151	M.RESISTOR CH1/10W 150K	1	
R35574	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35576	ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R35582	ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R35583,84	ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	2	
R35585	ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R35586,87	ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R35588	ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R35589	ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R35590	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R35591	ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R35592,93	ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R35594	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R35595	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35596	ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R35597,98	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R35599,00	ERJ6GEYJ471	M.RESISTOR CH1/10W 470	2	
R35601	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R35602	ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R35604,05	ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R35607	ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R35608	ERDS2TJ223	C.RESISTOR 1/4W 22K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R35609		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
VR35503,04		EVMF6SA00B13	V.RESISTOR 1K	2	
VR35505-07		EVMF6SA00B23	V.RESISTOR 2K	3	
VR35510,11		EVMF6SA00B23	V.RESISTOR 2K	2	
VR35512		EVMF6SA00B14	V.RESISTOR 10K	1	
			MISCELLANEOUS		
E90		VSC3206	SHIELD CASE (MAIN)	1	
E91		VSC3229	SHIELD CASE (TOP)	1	
	■	VEP05155B	HEAD AMP C.B.A.		
C5015		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C5016		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C5017		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5018		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C5019		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C5020		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5021		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5022		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C5023-25		ECEA1CKA100	E.CAPACITOR 16V 10U	3	
C5026		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5027,28		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C5029,30		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5031		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C5032		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C5034-36		ECEA1CKA100	E.CAPACITOR 16V 10U	3	
C5037		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5038		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C5039		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5040		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C5041		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C5042		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5043		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5044		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C5045		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C5046		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5048		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5051		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5052		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5053		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5054,55		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5056		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C5057		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C5058		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5060-62		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C5066		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5068		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
D5006		MA151WK	DIODE	1	<R>
D5008,09		MA151WK	DIODE	2	<R>
IC5001,02		AN6336S	IC	2	<R>
IC5003,04		NJM2234MA	IC	2	<R>
L5003		VLQEL05K100J	COIL 10UH	1	
L5004		VLQEL05K821J	COIL 820UH	1	
L5005		VLQ0460	COIL 100UH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L5006		VLQEL05K681J	COIL 680UH	1	
L5007,08		VLQ0460	COIL 100UH	2	
L5009		VLQEL05K221J	COIL 220UH	1	
L5010		VLQEL05K681J	COIL 680UH	1	
L5011		VLQ0460	COIL 100UH	1	
L5012		VLQEL05K821J	COIL 820UH	1	
L5013		VLQEL05K100J	COIL 10UH	1	
P5001		VJP1237T	CONNECTOR(MALE) 10P	1	
P5003		VJP1252T	CONNECTOR(MALE) 12P	1	
Q5007,08		2SC3704	TRANSISTOR	2	<R>
Q5009		XN1501	TRANSISTOR-TRANSISTOR	1	<R>
Q5010,11		2SC3704	TRANSISTOR	2	<R>
Q5012		XN1501	TRANSISTOR-TRANSISTOR	1	<R>
Q5014		MSC2295-B	TRANSISTOR	1	<R>
Q5015		MSB709-R	TRANSISTOR	1	<R>
Q5016		MSD601-R	TRANSISTOR	1	<R>
Q5017		MSB709-R	TRANSISTOR	1	<R>
QR5003,04		MRN2402	TRANSISTOR-RESISTOR	2	<R>
R5029		ERJ6GEYK1R0	M.RESISTOR CH1/10W 1	1	
R5030		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R5031		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R5032		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R5033		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R5034,35		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R5036,37		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	2	
R5038		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R5039		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5040		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R5041		ERJ6GEYJ100	M.RESISTOR CH1/10W 10	1	
R5042,43		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R5044		ERJ6GEYJ100	M.RESISTOR CH1/10W 10	1	
R5045		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R5046,47		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	2	
R5048		ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	
R5049		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R5050		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R5051		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R5053		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5054,55		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R5056		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5058		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R5059		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5063,64		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R5065,66		ERJ6GEYJ100	M.RESISTOR CH1/10W 10	2	
R5067		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R5075		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5076		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R5078		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5079		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R5080		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R5082,83		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	2	
R5084		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5085		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R5086		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R5087		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R5088		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R5089		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R5090		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R5091		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R5092		ERJ6GEYJ564	M.RESISTOR CH1/10W 560K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
E92		VSC3187	SHIELD CASE (TOP)	1	
E93		VSC3188	SHIELD CASE (MAIN)	1	
	■	VEP08135A	TBC (1) C.B.A.		INCLUDING THE TBC SUB (1) C.B.A. (VEP00R40A) TBC SUB (2) C.B.A. (VEP00R44A)
C8001		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8002		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8003,04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8005		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8006		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8007		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8008		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8009		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C8010,11		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8022		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8023		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8024		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8026-28		ECEA1HKA010	E.CAPACITOR 50V 1U	3	
C8029		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	1	
C8030,31		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C8032,33		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8034		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8035		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8036		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8037		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8038		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C8039-42		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C8052,53		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8055		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8056		ECEA1HKAR47	E.CAPACITOR 50V 0.47U	1	
C8057		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8058		ECEA1HKN3R3	E.CAPACITOR 50V 3.3U	1	
C8059		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8060,61		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	2	
C8062		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8063		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C8064		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8065,66		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C8067,68		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8069		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8070		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8071		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8072		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8073		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C8074-76		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C8077		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8078		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8079		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8080		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8081		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8082		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8083,84		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C8086		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8087		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C8088,89		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	2	
C8090,91		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C8092		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8093,94		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C8095		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8201		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8202		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8204		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C8205		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C8206		ECEA1CU331	E.CAPACITOR 16V 330U	1	
C8207		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8208		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8209		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8210		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8211		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8212-14		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	3	
C8221		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8222,23		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8224,25		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C8227		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8228		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C8229		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8236,37		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8238		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C8241		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C8242		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8243		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8244		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8245		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8246,47		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C8248		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8249		ECUM1H223ZFN	C.CAPACITOR CH 50V 0.022U	1	
C8250		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8251,52		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C8253		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8256		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8257		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8258		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8259		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C8260,61		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C8262,63		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8264		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8267		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C8268,69		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8270,71		ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C8272-74		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C8275		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8277		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8278-82		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C8283		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8284		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8285		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8286-91		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C8292		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8293,94		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8295		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8296		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8297,98		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C8299		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8300		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8301		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C8302		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C8303		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8305		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8306		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8307		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8308-11		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	4	
C8312,13		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
D8001		MA3051M	DIODE	1	<R>
D8202,03		MA151K	DIODE	2	<R>
FL8001		ELB4R042	FILTER	1	
FL8012		VLF0757	FILTER	1	
FL8023		VLF0757	FILTER	1	
FL8201		VLF0921	FILTER	1	
FL8202,03		VLF0757	FILTER	2	
FL8204		VLF0137	FILTER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC8002		RC082BM	IC	1	<R>
IC8005		RC082BM	IC	1	<R>
IC8008		RC082BM	IC	1	<R>
IC8009		MC74HC4066AF	IC	1	<R>
IC8010		AN78L05	IC	1	<R>
IC8011		MN74HC221S	IC	1	<R>
IC8201		AN3171S	IC	1	<R>
IC8201		MC74HC04AF	IC	1	<R>
IC8202		AN78L05	IC	1	<R>
IC8203		AN3181S	IC	1	<R>
IC8204-07		RC4565MD	IC	4	<R>
IC8208		MN74HC221S	IC	1	<R>
IC8209		RC082BM	IC	1	<R>
IC8210		MC74HC04AF	IC	1	<R>
L8001,02		VLQ0460	COIL 100UH	2	
L8009,10		VLQ0460	COIL 100UH	2	
L8015-18		VLQ0460	COIL 100UH	4	
L8201-03		VLQ0460	COIL 100UH	3	
L8206,07		VLQ0460	COIL 100UH	2	
L8208		VLQEL05K470K	COIL 47UH	1	
L8209		VLQ0460	COIL 100UH	1	
L8212-14		VLQ0460	COIL 100UH	3	
L8217,18		VLQ0460	COIL 100UH	2	
L8219		VLQEL05K180K	COIL 18UH	1	
L8220,21		VLQ0460	COIL 100UH	2	
L8222		VLQEL05K470K	COIL 47UH	1	
L8223,24		VLQ0460	COIL 100UH	2	
P8001		VJP2981A008	CONNECTOR(MALE) 8P	1	
P8002		VJS1465	CONNECTOR(FEMALE) 7P	1	
P8003		VJP2981A006	CONNECTOR(MALE) 6P	1	
P8004		VJS1481	CONNECTOR(FEMALE) 20P	1	
Q8001		MSD601-R	TRANSISTOR	1	<R>
Q8002		MSB709-R	TRANSISTOR	1	<R>
Q8003,04		MSC2295-B	TRANSISTOR	2	<R>
Q8005		2SA1022-C	TRANSISTOR CHIP	1	(B,C)<R>
Q8006,07		MSD601-R	TRANSISTOR	2	<R>
Q8008		2SK198	TRANSISTOR	1	(Q,R,S)<R>
Q8009		MSD601-R	TRANSISTOR	1	<R>
Q8010		MSB709-R	TRANSISTOR	1	<R>
Q8011,12		MSC2295-B	TRANSISTOR	2	<R>
Q8013		2SA1022-C	TRANSISTOR CHIP	1	(B,C)<R>
Q8014,15		MSD601-R	TRANSISTOR	2	<R>
Q8016		2SK198	TRANSISTOR	1	(Q,R,S)<R>
Q8017		MSD601-R	TRANSISTOR	1	<R>
Q8018		MSB709-R	TRANSISTOR	1	<R>
Q8019,20		MSC2295-B	TRANSISTOR	2	<R>
Q8021		2SA1022-C	TRANSISTOR CHIP	1	(B,C)<R>
Q8022,23		MSD601-R	TRANSISTOR	2	<R>
Q8024		2SK198	TRANSISTOR	1	(Q,R,S)<R>
Q8025		MSD601-R	TRANSISTOR	1	<R>
Q8026		MSC2295-B	TRANSISTOR	1	<R>
Q8027		MSD601-R	TRANSISTOR	1	<R>
Q8201,02		MSD601-R	TRANSISTOR	2	<R>
Q8203		MSB709-R	TRANSISTOR	1	<R>
Q8204		MSD601-R	TRANSISTOR	1	<R>
Q8205		MSB709-R	TRANSISTOR	1	<R>
Q8207		MSC2295-B	TRANSISTOR	1	<R>
Q8208		MSD601-R	TRANSISTOR	1	<R>
Q8213		MSD601-R	TRANSISTOR	1	<R>
Q8215-17		MSD601-R	TRANSISTOR	3	<R>
Q8218		MSC2295-B	TRANSISTOR	1	<R>
Q8219-21		MSD601-R	TRANSISTOR	3	<R>
Q8222		MSC2295-B	TRANSISTOR	1	<R>
Q8223,24		MSD601-R	TRANSISTOR	2	<R>
Q8226,27		MSD601-R	TRANSISTOR	2	<R>
Q8228		MSC2295-B	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q8229		MSD601-R	TRANSISTOR	1	<R>
Q8230		MSC2295-B	TRANSISTOR	1	<R>
Q8231		MSD601-R	TRANSISTOR	1	<R>
Q8236,37		MSB709-R	TRANSISTOR	2	<R>
Q8238-41		MSD601-R	TRANSISTOR	4	<R>
Q8242		MSB709-R	TRANSISTOR	1	<R>
Q8243		MSD601-R	TRANSISTOR	1	<R>
Q8244		MSB709-R	TRANSISTOR	1	<R>
Q8245,46		2SK374	TRANSISTOR	2	(Q,R,S)<R>
R8001		ERJ6GEYJ330	M.RESISTOR CH1/10W 33	1	
R8002		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8003,04		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R8005		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8006		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8007		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8008		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8009		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8010		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8011		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8012		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8013,14		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R8015,16		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R8017		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R8018		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8019		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8020		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8021		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8022		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R8024		ERJ6GEYJ121	M.RESISTOR CH1/10W 120K	1	
R8025		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8026		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8027		ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R8035		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R8036		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8037		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R8038		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8039		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R8040		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R8041		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R8042		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8043-45		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R8046		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8047		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R8048		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8049		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8050		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8051		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8052		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8053,54		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R8055,56		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R8057		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R8058		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8059		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8060		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8061		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8062		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R8063		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8064		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8065		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R8066		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8077		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R8078		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8079		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R8080		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R8081		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8082		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8083		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R8084		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8085-87		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R8088		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8089		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R8090		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8091		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8092		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8093		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8094		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8095,96		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	2	
R8097,98		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	2	
R8099		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R8100		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8101		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8102		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8103		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R8104		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8105		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8106		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8107		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R8108		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8109		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8110		ERJ6GEYJ151	M.RESISTOR CH1/10W 150K	1	
R8111		ERJ6GEYJ680	M.RESISTOR CH1/10W 68	1	
R8113		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R8114		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8115		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8116		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8117		ERJ6GEYJ121	M.RESISTOR CH1/10W 120K	1	
R8118		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8119		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8120		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8121		ERJ6GEYJ124	M.RESISTOR CH1/10W 120K	1	
R8122		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8123,24		ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	2	
R8125		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R8126		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8127		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8201		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8202-04		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R8205		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8206		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R8207		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8208		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R8209		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R8210		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R8211		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8212		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8213		ERJ6GEYJ121	M.RESISTOR CH1/10W 120K	1	
R8214		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R8215		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8216		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R8217		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R8219		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R8220		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R8221,22		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R8223		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8224		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8235		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R8241		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8242,43		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R8244		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R8245		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8246		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R8247,48		ERJ6GEYJ181	M.RESISTOR CH1/10W 180	2	
R8249		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8250-52		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R8253		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R8254		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8255		ERJ6GEYJ220	M.RESISTOR CH1/10W 22K	1	
R8256		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8257		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8258		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R8259		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8260		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8262		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8263-65		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	3	
R8266		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R8267		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8268		ERJ6GEYJ220	M.RESISTOR CH1/10W 22K	1	
R8269		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8270		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8271		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R8272		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8273		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8275		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R8276,77		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	2	
R8279		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R8280		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8282		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R8283		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R8284		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R8285		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8286		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8287		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8288		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R8289		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8290		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R8291		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8304		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8305		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8311		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8312		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R8313,14		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R8315		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8316		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8317		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8318		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8319,20		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R8321		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R8322,23		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R8324		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R8325		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R8326		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8327		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8328		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8329		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R8330		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8331		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R8332		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8333		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R8334		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R8335		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R8336,37		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R8338		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R8339		ERJ6GEYJ271	M.RESISTOR CH1/10W 270	1	
R8340		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R8341		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R8342		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8343		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8344,45		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	2	
R8346		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R8347		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8348		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8349		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8350		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8351		ERJ6GEYJ154	M.RESISTOR CH1/10W 150K	1	
R8352		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8353		ERDS2TJ123	C.RESISTOR 1/4W 12K	1	
R8355		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R8356		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R8357		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8358		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R8359		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8360		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8361		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R8362		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R8363		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R8364		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8365		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R8366		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8367		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8368		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R8369,70		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
RH8001		ERTD2FGL102S	THERMISTOR	1	
VR8001		EVM31GA00B13	V.RESISTOR 1K	1	
VR8002		EVM31GA00B24	V.RESISTOR 20K	1	
VR8003,04		EVMF6SA00B14	V.RESISTOR 10K	2	
VR8005		EVM31GA00B14	V.RESISTOR 10K	1	
VR8006		EVM31GA00B22	V.RESISTOR 200	1	
VR8007		EVM31GA00B52	V.RESISTOR 500	1	
VR8201		EVM31GA00B13	V.RESISTOR 1K	1	
VR8202		EVMF6SA00B24	V.RESISTOR 20K	1	
VR8204		EVM31GA00B23	V.RESISTOR 2K	1	
VR8205		EVM31GA00B24	V.RESISTOR 20K	1	
VR8206-08		EVM31GA00B52	V.RESISTOR 500	3	
VR8210		EVM31GA00B23	V.RESISTOR 2K	1	
VR8211		EVMF6SA00B24	V.RESISTOR 20K	1	
VR8212		EVMF6SA00B13	V.RESISTOR 1K	1	
VR8213		EVM31GA00B52	V.RESISTOR 500	1	
VR8214,15		EVM31GA00B15	V.RESISTOR 100K	2	
VR8217		EVM31GA00B52	V.RESISTOR 500	1	
X8001		VSX0263	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E94		VSC3189	SHIELD PLATE	1	
E95		XTV3+8F	SCREW	2	
	■	VEP08136A	TBC (2) C.B.A.		INCLUDING THE
					D/A SUB C.B.A.
					(VEP00R46A)
C8401-04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C8405		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8406		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8407		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8408		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8409		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C8410		ECEA1HKR33	E.CAPACITOR 50V 0.33U	1	
C8411		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C8412-15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C8416		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C8417		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8418		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8419		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8420-23		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C8424-28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C8429		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8430-35		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C8436		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C8437-50		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	14	
C8451		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8452		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8455		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8456		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8457		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8458		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C8459		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8460		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8463,64		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8465		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C8466		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8467		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C8468		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C8469		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8470,71		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8472		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8473		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C8474		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8475		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C8476-78		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8479		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C8480		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C8481,82		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8483		ECEA1AKA221	E.CAPACITOR 10V 220U	1	
C8484		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C8485		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8486		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8487,88		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8491		ECQB1H182JF	P.CAPACITOR 50V 1800P	1	
C8492		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8493,94		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8495		ECQB1H682JF	P.CAPACITOR 50V 680P	1	
C8496		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8821		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
D8401		MA151K	DIODE	1	<R>
D8801-03		MA151K	DIODE	3	<R>
FL8401		VLF0633	FILTER	1	
FL8402		VLF0634	FILTER	1	
FL8403		VLF0526	FILTER	1	
FL8404		VLF0523	FILTER	1	
IC8401		MN53030VMB	IC	1	<R>
IC8402		L7A0311	IC	1	<R>
IC8403		MN4712F	IC	1	<R>
IC8404		MN4710F	IC	1	<R>
IC8405		MN4712F	IC	1	<R>
IC8406		MN4710F	IC	1	<R>
IC8407		L7A0311	IC	1	<R>
IC8408		MC68H05C	IC	1	<R>
IC8409		MN1280R	IC	1	<R>
IC8410		MC74HC02AF	IC	1	<R>
IC8411		MC74HC04AF	IC	1	<R>
IC8412		MC74HC74AF	IC	1	<R>
IC8413		MC74HC244AF	IC	1	<R>
IC8414,15		MC74HC164F	IC	2	<R>
IC8416,17		MC74HC151F	IC	2	<R>
IC8418		MC74HC74AF	IC	1	<R>
IC8419		MC74HC244AF	IC	1	<R>
IC8420		AN78N05	IC	1	<R>
IC8421		CXD1175M	IC	1	<R>
IC8422		MC74HC574F	IC	1	<R>
IC8423		AN78N05	IC	1	<R>
IC8424		CXD1175M	IC	1	<R>
IC8425		MC74HC574F	IC	1	<R>
IC8451-53		MB40778PF-TF	IC	3	<R>
IC8454-57		RC4565MD	IC	4	<R>
IC8491		SN74LS123NSR	IC	1	<R>
IC8492		MC74HC32AF	IC	1	<R>
IC8493		MC74HC74AF	IC	1	<R>
IC8821		MC74HC04AF	IC	1	<R>
L8401		VLP0054	COIL	1	
L8451		VLP0017	COIL	1	
L8453-55		VLP0017	COIL	3	
L8457		VLP0054	COIL	1	
L8458-62		VLQEL05K470K	COIL 47UH	5	
L8463		VLP0017	COIL	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P8401		VJP2981A008	CONNECTOR(MALE) 8P	1	
P8402		VJS1465	CONNECTOR(FEMALE) 7P	1	
P8403		VJP2981A006	CONNECTOR(MALE) 6P	1	
P8404		VJS1481	CONNECTOR(FEMALE) 20P	1	
P8405,06		VJP2898B050	CONNECTOR(MALE) 50P	2	
R8401		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8402,03		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R8404		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
R8405		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8407		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8408-12		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	5	
R8413		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R8414		ERDS1TJ470	C.RESISTOR 1/2W 47	1	
R8415,16		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R8417,18		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R8419,20		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	2	
R8421		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
R8422		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8423		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
R8424-26		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	3	
R8427-33		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	7	
R8434		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R8435		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8436		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8437-43		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	7	
R8445-50		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	6	
R8451		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8452		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8453,54		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	2	
R8455		ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R8456		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R8457		ERJ6GEYJ113	M.RESISTOR CH1/10W 11K	1	
R8458		ERJ6GEYJ912	M.RESISTOR CH1/10W 9.1K	1	
R8459		ERJ6GEYJ270	M.RESISTOR CH1/10W 27	1	
R8460,61		ERJ6GEYJ133	M.RESISTOR CH1/10W 13K	2	
R8462		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8463		ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R8464		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8465		ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R8466-68		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	3	
R8469		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8470		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8472		ERJ6GEYJ113	M.RESISTOR CH1/10W 11K	1	
R8473		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R8474		ERJ6GEYJ912	M.RESISTOR CH1/10W 9.1K	1	
R8475		ERJ6GEYJ270	M.RESISTOR CH1/10W 27	1	
R8479		ERJ6GEYJ270	M.RESISTOR CH1/10W 27	1	
R8480,81		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	2	
R8482		ERJ6GEYJ752	M.RESISTOR CH1/10W 7.5K	1	
R8485-88		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R8492		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R8493		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R8496,97		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	2	
R8498		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8499		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8801		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8802		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8803-18		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	16	
R8821		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R8822		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
R8823		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
VR8451,52		EVM31GA00B23	V.RESISTOR 2K	2	
X8401		EF0FC3584A5	CRYSTAL OSCILLATOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
E96		VML2143	P.C.BOARD PULLER	1	
E97		VSC3215	SHIELD PLATE	1	
E98		VWJ20AW060MM	FLEXIBLE WIRE	1	<R>
E99		VWJ07AW060MM	FLEXIBLE WIRE	1	<R>
E100		VMX1922	SUPPORT	6	
E101		XYN26+C12	SCREW	4	
E102		XNG26E	NUT	4	
E103		XTV3+8F	SCREW	2	
	■	VEP08137A	TBC (3) C.B.A.		INCLUDING THE
					TBC SUB (3) C.B.A.
					(VEP00R48A)
C8501		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8502		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8503		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C8504		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8505		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C8506		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8507		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C8508		ECEA1CSN4R7	E.CAPACITOR 16V 4.7U	1	
C8509		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8510		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C8511,12		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8513		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C8514		ECQM1H102JV	P.CAPACITOR 50V 1000P	1	
C8515		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8516		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8517		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8518		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C8519		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8520		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C8521		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8522		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8523		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8524		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8525		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8526		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8527		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8528		ECQM1H222JV	P.CAPACITOR 50V 2200P	1	
C8529		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8530,31		ECQM1H102JV	P.CAPACITOR 50V 1000P	2	
C8532-34		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8535		ECQM1H182JV	P.CAPACITOR 50V 1800P	1	
C8536-40		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C8541		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8542		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C8543		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8544		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C8545		ECQM1H392JV	P.CAPACITOR 50V 3900P	1	
C8546-49		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C8550		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C8551		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C8552		ECQM1H102JV	P.CAPACITOR 50V 1000P	1	
C8553		ECQM1H223JV	P.CAPACITOR 50V 0.022U	1	
C8554		ECQM1H122JV	P.CAPACITOR 50V 1200P	1	
C8555		ECQM1H104JV	P.CAPACITOR 50V 0.1U	1	
C8556		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C8557,58		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C8559		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8560		ECEA1AKA220	E.CAPACITOR 10V 22U	1	
C8561		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8562		ECEA1AKA220	E.CAPACITOR 10V 22U	1	
C8563		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8564		ECEA1AKA220	E.CAPACITOR 10V 22U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C8565		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8566		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C8567-71		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	5	
C8572		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C8573		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8575		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8576		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8590,91		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8601		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8602		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C8603,04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8605		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8606		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8607		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C8608		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8609		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8610		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C8611,12		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8613		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C8614		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8615		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8616		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8617		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C8618		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8619		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C8620		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8621,22		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C8623		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8624		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C8625		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8626		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8626		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8627,28		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8629		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C8630		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C8631		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8632		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C8633-36		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C8637		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C8638,39		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8640		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C8641		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8642,43		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8644		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C8645		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8646		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C8647		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8648		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8649,50		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	2	
C8651		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8652		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8653		ECV1ZW20X53T	V.CAPACITOR 20P	1	
C8654		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C8655		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C8656-58		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8659		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8660		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C8661		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8662		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8663		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C8664		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8665,66		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C8667		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C8668-70		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8672-77		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C8678		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C8679		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8680,81		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8682		ECQB1H224JF	P.CAPACITOR 50V 0.22U	1	
C8683		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8684		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8685		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C8686		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8687		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C8688		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C8689		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8690		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8691		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8692		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8693		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8694		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8695		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8696		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8697		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C8698		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8699		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
D8501		MA151WK	DIODE	1	<R>
D8551		MA153	DIODE	1	<R>
D8554		MA335	DIODE	1	<R>
D8555-57		MA151K	DIODE	3	<R>
D8558		MA165	DIODE	1	<R>
D8601		MA151K	DIODE	1	<R>
D8602		MA335	DIODE	1	<R>
D8605,06		MA151K	DIODE	2	<R>
D8608		MA151WK	DIODE	1	<R>
D8609		MA151K	DIODE	1	<R>
FL8601-04		VLF0634	FILTER	4	
FL8605,06		VLF0630	FILTER	2	
IC8501		AN91A12S	IC	1	<R>
IC8502		UPD65022B264	IC	1	<R>
IC8503		UPD65022C252	IC	1	<R>
IC8504		AN78L09	IC	1	<R>
IC8505		MC74HC04AF	IC	1	<R>
IC8506		SN74LS123NSR	IC	1	<R>
IC8507		MC74HC00AF	IC	1	<R>
IC8508		UPC319G2	IC	1	<R>
IC8509		SN74LS221NSR	IC	1	<R>
IC8510		SN74LS123NSR	IC	1	<R>
IC8511		MC74HC86F	IC	1	<R>
IC8512		MC74HC74AF	IC	1	<R>
IC8513		TC7S04F	IC	1	<R>
IC8514,15		TC4S66F	IC	2	<R>
IC8551		UPD65022F258	IC	1	<R>
IC8552		MC10125L	IC	1	<R>
IC8553		MN53020VMA	IC	1	<R>
IC8554		MC74HC4053F	IC	1	<R>
IC8555		RC082BM	IC	1	<R>
IC8556		SN74LS123NSR	IC	1	<R>
IC8557,58		RC082BM	IC	2	<R>
IC8559		MC74F74M	IC	1	<R>
IC8560		MC1648P	IC	1	<R>
IC8601		AN91A12S	IC	1	<R>
IC8602		UPD65024F152	IC	1	<R>
IC8603		UPD65040F144	IC	1	<R>
IC8604		MC14053BF	IC	1	<R>
IC8605		RC082BM	IC	1	<R>
IC8606,07		MN74HC221S	IC	2	<R>
IC8608		NE521D	IC	1	<R>
IC8609		AN78L09	IC	1	<R>
IC8610		NE521D	IC	1	<R>
IC8611,12		MC74HC04AF	IC	2	<R>
IC8613		RC082BM	IC	1	<R>
IC8614,15		MN74HC221S	IC	2	<R>
IC8616		RC082BM	IC	1	<R>
IC8617		MC74HC125AF	IC	1	<R>
IC8619,20		MC74HC04AF	IC	2	<R>
IC8621		AN78L09	IC	1	<R>
IC8622		RC082BM	IC	1	<R>
IC8623		MC74HC125AF	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L8501		VLQ0460	COIL 100UH	1	
L8502-06		VLP0017	COIL	5	
L8507		VLP0054	COIL	1	
L8509		VLP0054	COIL	1	
L8511		VLQEL05K820K	COIL 82UH	1	
L8551		VLQEL05K470K	COIL 47UH	1	
L8552		VLQEL05K1R8K	COIL 1.8UH	1	
L8553		VLP0054	COIL	1	
L8554,55		VLQEL05K470K	COIL 47UH	2	
L8601		VLQ0460	COIL 100UH	1	
L8602		VLQEL05K221K	COIL 220UH	1	
L8603		VLQEL05K680K	COIL 68UH	1	
L8604-06		VLQEL05K470K	COIL 47UH	3	
L8607		VLQEL05K221K	COIL 220UH	1	
L8608-10		VLQEL05K470K	COIL 47UH	3	
L8611		VLP0017	COIL	1	
L8612		VLP0054	COIL	1	
L8613,14		VLP0017	COIL	2	
L8615		VLP0054	COIL	1	
L8616,17		VLP0017	COIL	2	
L8618-20		VLP0054	COIL	3	
L8621		VLP0017	COIL	1	
P8501,02		VJP2898B050	CONNECTOR(MALE) 50P	2	
Q8501,02		MSD601-R	TRANSISTOR	2	<R>
Q8551,52		MSD601-R	TRANSISTOR	2	<R>
Q8553		MSB709-R	TRANSISTOR	1	<R>
Q8601		MSB709-R	TRANSISTOR	1	<R>
Q8602,03		2SK606	TRANSISTOR	2	<R>
R8501		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R8502		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8503		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R8504		ERJ6GEYJ113	M.RESISTOR CH1/10W 11K	1	
R8505,06		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	2	
R8507		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R8508		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R8509		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8510-12		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	3	
R8513		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R8514		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R8515		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R8516		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8517		ERJ6GEYJ163	M.RESISTOR CH1/10W 16K	1	
R8518		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R8519		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8520		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8521		ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R8522		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R8523		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R8524		ERJ6GEYJ753	M.RESISTOR CH1/10W 75K	1	
R8525		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R8526		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8527		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8528		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R8529		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R8530		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8531,32		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	2	
R8533		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8541,42		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R8553		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R8554		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R8555		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8556		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8557		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8558		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R8559		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8560		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8561		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8562		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8563		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8564		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8565		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R8566		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8567		ERJ6GEYJ821	M.RESISTOR CH1/10W 820	1	
R8568		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R8569		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8570		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R8571		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8572		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R8573		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R8574		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8575		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
R8581		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R8601		ERJ6GEYJ224	M.RESISTOR CH1/10W 220K	1	
R8602		ERJ6GEYJ684	M.RESISTOR CH1/10W 680K	1	
R8603		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8604,05		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	2	
R8606-09		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	4	
R8610		ERJ6GEYJ221	M.RESISTOR CH1/10W 220	1	
R8611		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R8612		ERJ6GEYJ184	M.RESISTOR CH1/10W 180K	1	
R8613,14		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	2	
R8615		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R8616		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R8617		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R8618		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R8619		ERJ6GEYJ272	M.RESISTOR CH1/10W 2.7K	1	
R8620,21		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R8622		ERJ6GEYJ392	M.RESISTOR CH1/10W 3.9K	1	
R8623		ERJ6GEYJ122	M.RESISTOR CH1/10W 1.2K	1	
R8624		ERJ6GEYJ823	M.RESISTOR CH1/10W 82K	1	
R8625		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R8626		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R8630		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R8631		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R8632		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8635-39		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	5	
R8641		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8642		ERJ6GEYJ682	M.RESISTOR CH1/10W 6.8K	1	
R8643		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R8644		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R8645		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
R8650		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R8651		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8652		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R8655,56		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R8657,58		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	2	
R8659		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8660		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R8664		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R8665		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8666,67		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R8668,69		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R8670		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R8671		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R8672		ERJ6GEYJ123	M.RESISTOR CH1/10W 12K	1	
R8673		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8674		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8675		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8676		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8677		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R8678		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R8679		ERJ6GEYJ333	M.RESISTOR CH1/10W 33K	1	
R8681		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R8682		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8683		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R8684		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R8685		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R8687		ERJ6GEY0R00	M.RESISTOR CH1/10W 0	1	
R8688		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8689		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8691		ERJ6GEYJ471	M.RESISTOR CH1/10W 470	1	
R8693		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R8695		ERJ6GEYJ163	M.RESISTOR CH1/10W 16K	1	
R8696		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R8697		ERJ6GEYJ105	M.RESISTOR CH1/10W 1M	1	
R8698		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R8699		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8709		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R8710,11		ERJ6GEYJ684	M.RESISTOR CH1/10W 680K	2	
R8712,13		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	2	
R8714		ERJ6GEYJ560	M.RESISTOR CH1/10W 56	1	
SW8601		VSR0045	SWITCH	1	<R>
VR8501		EVM31GA00B53	V.RESISTOR 5K	1	
VR8601		EVMF6SA00B54	V.RESISTOR 50K	1	
VR8602,03		EVM31GA00B53	V.RESISTOR 5K	2	
VR8604		EVM31GA00B23	V.RESISTOR 2K	1	
VR8605		EVMF6SA00B14	V.RESISTOR 10K	1	
X8601		VSX0081	CRYSTAL OSCILLATOR	1	<R>
X8602		VSX0338	CRYSTAL OSCILLATOR	1	<R>
X8603		VSX0280	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E104		VSC1884	SHIELD CASE	1	
E105		VML2143	P.C.BOARD PULLER	1	
E106		VSC3215	SHIELD PLATE	1	
E107		XYN26+C12	SCREW	4	
E108		XNG26E	NUT	4	
E109		XTV3+8F	SCREW	2	
	■	VEP04301B	AUDIO JACK C.B.A.		
C42016		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C42017		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C42018		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C42019		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C42020		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C42021,22		ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C42023		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C42024,25		ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C42026		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C42027,28		ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C42029		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C42030,31		ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C42034		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C42035		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C42036-43		ECEA1CKA100	E.CAPACITOR 16V 10U	8	
D42017		MA153A	DIODE	1	<R>
IC42012,13		AN6558S	IC	2	<R>
IC42014-17		RC4556MB	IC	4	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P42003		VJP2981A006	CONNECTOR(MALE) 6P	1	
P42004		VJP1235T	CONNECTOR(MALE) 8P	1	
P42005		VJP1229T	CONNECTOR(MALE) 2P	1	
P42012,13		VJP1233T	CONNECTOR(MALE) 6P	2	
Q42010		2SD601	TRANSISTOR	1	(R,S,T)<R>
Q42011		MSB710-R	TRANSISTOR	1	<R>
Q42012		2SD1306	TRANSISTOR	1	<R>
Q42013		MSD601-R	TRANSISTOR	1	<R>
Q42014		2SD601	TRANSISTOR	1	(R,S,T)<R>
Q42015-18		2SD1306	TRANSISTOR	4	<R>
Q42019,20		MSD601-R	TRANSISTOR	2	<R>
Q42021-24		2SD1306	TRANSISTOR	4	<R>
Q42025,26		MSD601-R	TRANSISTOR	2	<R>
Q42027-30		2SD1306	TRANSISTOR	4	<R>
Q42031,32		MSD601-R	TRANSISTOR	2	<R>
Q42033-35		2SD1306	TRANSISTOR	3	<R>
Q42036		MSB710-R	TRANSISTOR	1	<R>
R42096,97		ERJ6GEYJ151	M.RESISTOR CH1/10W 150K	2	
R42098		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R42099		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R42100		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42101		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R42102		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R42103,04		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R42105		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R42106		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R42107		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R42108		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R42109		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	1	
R42110		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42111		ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	
R42112		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42113,14		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R42115		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42116		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R42117		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R42118		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42119-24		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	6	
R42125		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R42126		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42127		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R42128		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R42129,30		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R42131		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R42132		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R42133		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R42134,35		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R42136		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42137		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42138		ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	
R42139,40		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R42141		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42142		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R42143		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R42144		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42145-50		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	6	
R42151		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R42152		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42153		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R42154		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R42155,56		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R42157		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R42158		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R42159		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R42160,61		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R42162		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42163		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42164,65		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R42166		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R42167		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R42168		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R42169		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42170		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42171		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R42172		ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	
R42173-76		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	4	
R42177		ERJ6GEYJ182	M.RESISTOR CH1/10W 1.8K	1	
R42178		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42179		ERJ6GEYJ183	M.RESISTOR CH1/10W 18K	1	
R42180		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R42181,82		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R42183		ERJ6GEYJ681	M.RESISTOR CH1/10W 680	1	
R42184		ERJ6GEYJ152	M.RESISTOR CH1/10W 1.5K	1	
R42185		ERJ6GEYJ473	M.RESISTOR CH1/10W 47K	1	
R42186,87		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R42188		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42189		ERJ6GEYG912	M.RESISTOR CH1/10W 9.1K	1	
R42190		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42191,92		ERJ6GEYJ332	M.RESISTOR CH1/10W 3.3K	2	
R42193		ERJ6GEYJ822	M.RESISTOR CH1/10W 8.2K	1	
R42194		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R42195		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R42196		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R42197-01		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	5	
R42204		ERJ6GEYJ104	M.RESISTOR CH1/10W 100K	1	
R42205		ERJ6GEYJ563	M.RESISTOR CH1/10W 56K	1	
SW42003		ESD14339	SWITCH	1	<R>
VR42005-08		EVN32CA00B53	V.RESISTOR 5K	4	
	■	VEP06657B	INPUT JACK C.B.A.		
C66001		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C66005		ECEA1CKN470	E.CAPACITOR 16V 47U	1	
C66006		ECEA1CK470	E.CAPACITOR 16V 47U	1	
C66007		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
L66002		VLQEL06F101K	COIL 100UH	1	
Q66002		2SD636	TRANSISTOR	1	(Q,R,S)<R>
R66007		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R66012		ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R66013		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R66014		ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
R66015		ERDS2TJ393	C.RESISTOR 1/4W 39K	1	
R66016		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
SW66002		VES0244	SWITCH	1	<R>
	■	VEP06658A	OUTPUT JACK (1) C.B.A.		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
E110		VJF0236	SUPPORT	3	
	■	VEP06659A	OUTPUT JACK (2) C.B.A.		
C67001,02		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C67003,04		ECQB1H103JF	P.CAPACITOR 50V 0.01U	2	
IC67001-04		VCR0309	IC	4	<R>
L67001,02		VLQEL06F101K	COIL 100UH	2	
P67001		VJP1232T	CONNECTOR(MALE) 5P	1	
P67002		VJP2981A009	CONNECTOR(MALE) 9P	1	
P67003		VJP2981A006	CONNECTOR(MALE) 6P	1	
P67004		VJP1244T	CONNECTOR(MALE) 4P	1	
P67005		VJP1247T	CONNECTOR(MALE) 7P	1	
P67008		VJP1148	CONNECTOR(MALE) 7P	1	
P67009		VJP1229T	CONNECTOR(MALE) 2P	1	
R67001-07		ERDS2TJ750	C.RESISTOR 1/4W 75	7	
R67011,12		ERDS2TJ180	C.RESISTOR 1/4W 18	2	
	■	VEP06661A	4P OUTPUT JACK C.B.A.		
C67005,06		ECCF1H150JC	C.CAPACITOR 50V 15P	2	
J6,J7		VJS2579	CONNECTOR(FEMALE) 4P	2	
P67007		VJP1246T	CONNECTOR(MALE) 6P	1	
	■	VEP08138A	TBC REMOTE C.B.A.		
P8901		VJP1251T	CONNECTOR(MALE) 11P	1	
P8902		VJS2542	CONNECTOR(FEMALE) 15P	1	
	■	VEP06662A	9P JACK C.B.A.		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P65001		VJP1246T	CONNECTOR(MALE) 6P	1	
P65002		VJS2074	CONNECTOR(FEMALE) 9P	1	
			MISCELLANEOUS		
E111		XSB3+6	SCREW	2	
	■	VEP06665B	34P C.B.A.		
C69001		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C69002		ECEA1CKS101	E.CAPACITOR 16V 100U	1	
C69003		ECEA0JKS101	E.CAPACITOR 6.3V 100U	1	
C69004		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C69005-09		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C69012-17		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
FL69002-05		VLF0630	FILTER	4	
FL69007,08		VLF0630	FILTER	2	
FL69011		VLF0630	FILTER	1	
FL69013,14		VLF0630	FILTER	2	
FL69017-21		VLF0630	FILTER	5	
FL69024-26		VLF0630	FILTER	3	
FL69029,30		VLF0630	FILTER	2	
FL69033		VLF0630	FILTER	1	
FL69034		VLF0634	FILTER	1	
IC69001		MB89363BPF	IC	1	<R>
P69001		VJS1441	CONNECTOR(FEMALE) 24P	1	
P69002		VJS1327	CONNECTOR(FEMALE) 34P	1	
Q69001,02		MSD601-R	TRANSISTOR	2	<R>
QR69001		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR69005-10		MRN1403	TRANSISTOR-RESISTOR	6	<R>
R69001,02		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R69004-19		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	16	
R69020		ERJ6GEYJ562	M.RESISTOR CH1/10W 5.6K	1	
R69021		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R69022		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R69023		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R69024		ERQ12HJ3R9P	F.RESISTOR 1/2W 3.9	1	
RA69001,02		EXBP810103J	COMBI R-R 10K	2	
			MISCELLANEOUS		
E112		VMX0674	34P SPACER	1	
E113		VWJ0459	FLEXIBLE WIRE	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP06656B	KEYBOARD C.B.A.		
C62001		ECEA1HK220	E.CAPACITOR 50V 22U	1	
C62002,03		ECEA0JK221	E.CAPACITOR 6.3V 220U	2	
C62004		ECEA1HKR22	E.CAPACITOR 50V 0.22U	1	
C62005		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C62006		ECCF1H080DC	C.CAPACITOR 50V 8P	1	
C62007		ECCF1H330JC	C.CAPACITOR 50V 33P	1	
C62010		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C62101,02		ECEA1CK101	E.CAPACITOR 16V 100U	2	
C62201-04		ECEA1CK100	E.CAPACITOR 16V 10U	4	
D62001		MA4075	DIODE	1	<R>
D62002		MA4091M	DIODE	1	<R>
D62003-08		MA167	DIODE	6	<R>
D62009-12		MA165	DIODE	4	<R>
D62014-17		MA165	DIODE	4	<R>
D62023,24		MA165	DIODE	2	<R>
D62030		MA165	DIODE	1	<R>
D62032-36		MA165	DIODE	5	<R>
D62039		MA165	DIODE	1	<R>
D62041		MA165	DIODE	1	<R>
D62050,51		LN31GCPHLG4	DIODE	2	<R>
D62052,53		LN440YCPUVT1	DIODE	2	<R>
FL62001		VSL0223	FILTER	1	
IC62001		UPD75208WA96	IC	1	<R>
IC62002		AN90B22	IC	1	<R>
IC62003		UPC339C	IC	1	<R>
IC62004,05		TA60	IC	2	<R>
IC62006		MN1280R	IC	1	<R>
L62001		VLQEL05F121K	COIL 120UH	1	
P62001		VJS1444	CONNECTOR(FEMALE) 24P	1	
P62002		VJS1496	CONNECTOR(FEMALE) 19P	1	
P62004		VJP1877T	CONNECTOR(MALE) 6P	1	
P62101		VJS1444	CONNECTOR(FEMALE) 24P	1	
P62201		VJP1873T	CONNECTOR(MALE) 24P	1	
P62202		VJP1877T	CONNECTOR(MALE) 6P	1	
P62203		VJP1876T	CONNECTOR(MALE) 5P	1	
P62204,05		VJP1875T	CONNECTOR(MALE) 4P	2	
Q62001		2SB793	TRANSISTOR	1	<R>
Q62004		2SB793	TRANSISTOR	1	<R>
Q62005,06		2SD636	TRANSISTOR	2	<R>
R62001		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R62002		ERDS2TJ683	C.RESISTOR 1/4W 68K	1	
R62003		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R62004		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R62005		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R62006-09		ERDS2TJ563	C.RESISTOR 1/4W 56K	4	
R62011		ERDS2TJ471	C.RESISTOR 1/4W 470	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R62017		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R62018-25		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	8	
R62026,27		ERDS2TJ330	C.RESISTOR 1/4W 33	2	
R62029-32		ERDS2TJ330	C.RESISTOR 1/4W 33	4	
R62036,37		ERDS2TJ330	C.RESISTOR 1/4W 33	2	
R62038,39		ERDS2TJ220	C.RESISTOR 1/4W 22	2	
R62043		ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R62046		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R62047-49		ERDS2TJ102	C.RESISTOR 1/4W 1K	3	
R62050		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R62051		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R62052-55		ERDS2TJ103	C.RESISTOR 1/4W 10K	4	
R62056		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R62101-12		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	12	
R62113		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
RA62001-03		EXBF5E103J	COMBI R-R 10K	3	
RA62004		EXBF5E472J	COMBI R-R 4.7K	1	
SW62001		VSP0213	SWITCH	1	<R>
SW62002		VSP0198	SWITCH	1	<R>
SW62004		VSP0193	SWITCH	1	<R>
SW62005		VSP0239	SWITCH	1	<R>
SW62006		VSP0225	SWITCH	1	<R>
SW62007		VSP0195	SWITCH	1	<R>
SW62013		EVQQJ104K	SWITCH	1	<R>
SW62014		VSP0199	SWITCH	1	<R>
SW62020		VSS0225	SWITCH	1	<R>
SW62021,22		VSS0324	SWITCH	2	<R>
SW62023		VSS0152	SWITCH	1	<R>
SW62026		VSS0250	SWITCH	1	<R>
SW62027		VSS0225	SWITCH	1	<R>
SW62041		VSS0250	SWITCH	1	<R>
SW62042		VSS0249	SWITCH	1	<R>
SW62101,02		VSR0043	SWITCH	2	<R>
VR62101-04		EVUFMAEA3B14	V.RESISTOR 10K	4	
VR62105,06		EVUF3AH20B14	V.RESISTOR 10K	2	
VR62201-04		EVJ7MAF15B14	V.RESISTOR 10K	4	
VR62205		EVJ7MAF15B15	V.RESISTOR 100K	1	
X62001		VSX0140	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E114		VGU5286	KNOB	2	<R>
E115		VMP2870	VR ANGLE	1	
E116		VMX0473	LED HOLDER	2	
E117		VWJ24HW220MM	FLEXIBLE WIRE	2	<R>
E118		XWGV4F7Y	SPACER	2	
E119		VJF0889	LCD HOLDER (R)	1	
E120		VJF0903	LCD HOLDER (L)	1	
	■	VEP04302A	METER C.B.A.		
C47001		ECEA1CK100	E.CAPACITOR 16V 10U	1	
D47001-03		LN440YCPUVT1	DIODE	3	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D47006-08		LN440YCPUVT1	DIODE	3	<R>
D47011-13		LN440YCPUVT1	DIODE	3	<R>
P47001		VJP1233R	CONNECTOR(MALE) 6P	1	
P47002		VJP1229T	CONNECTOR(MALE) 2P	1	
P47003		VJP1231G	CONNECTOR(MALE) 4P	1	
R47001-03		ERDS2TJ331	C.RESISTOR 1/4W 330	3	
			MISCELLANEOUS		
E121		VGF0245	METER HOLDER	3	
E122		XWGV4F7Y	SPACER	9	
E123		VSE0066	VIDEO METER	1	<R>
E124		VSE0115	AUDIO METRE	2	<R>
	■	VEP06663A	EJECT C.B.A.		
D64001		MA165	DIODE	1	<R>
D64002-05		LN340GCPGLS	DIODE	4	<R>
P64001		VJP1876T	CONNECTOR(MALE)	1	
R64001,02		ERDS2TJ471	C.RESISTOR 1/4W 470	2	
SW64001		EVQQJ104K	SWITCH	1	<R>
			MISCELLANEOUS		
E125		VGF0240	LED HOLDER	2	
	■	VEP06664B	POCKET SW C.B.A.		
D63001		MA165	DIODE	1	<R>
D63003		MA165	DIODE	1	<R>
D63008		MA165	DIODE	1	<R>
SW63001		VSS0126	SWITCH	1	<R>
SW63003		VSS0126	SWITCH	1	<R>
SW63009		VSS0126	SWITCH	1	<R>
SW63010		VSS0127	SWITCH	1	<R>
SW63011		VSS0126	SWITCH	1	<R>
SW63013,14		VSS0127	SWITCH	2	<R>
	■	VEP01428B	POWER C.B.A.		INCLUDING THE

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
					POWER PACK C.B.A.
					(VEP01431A)
C1004,05		ECQU2A224MN	P.CAPACITOR 250V 0.22U	2	<!><R>
C1006,07		VCK0046	C.CAPACITOR	2	<!><R>
C1008,09		VCK0044	C.CAPACITOR	2	<!><R>
C1010		ECOS2DA821DA	P.CAPACITOR 50V 0.022U	1	
C1011		ECQE6473JZ	P.CAPACITOR 50V 0.047U	1	
C1012		ECKD2H471KB	C.CAPACITOR 500V 470U	1	
C1013		ECEA2GG3R3X	E.CAPACITOR 400V 3.3U	1	
C1014		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C1015		ECQB1H123JF	P.CAPACITOR 50V 0.012U	1	
C1016		ECA1VFZ560E	E.CAPACITOR 10V 56U	1	
C1017		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C1018		ECQE6473JZ	P.CAPACITOR 50V 0.047U	1	
C1019		ECKD2H471KB	C.CAPACITOR 500V 470U	1	
C1020		ECEA1HFS100	E.CAPACITOR 50V 10U	1	
C1021		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C1022		ECA1VFZ560E	E.CAPACITOR 10V 56U	1	
C1023		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C1024		ECEA2GG3R3X	E.CAPACITOR 400V 3.3U	1	
C1025		ECA1AFZ331E	E.CAPACITOR 10V 330U	1	
C1026-29		ECQB1H103JF	P.CAPACITOR 50V 0.01U	4	
C1030		ECEA1HFE560	E.CAPACITOR 50V 56U	1	
C1031		ECEA1HFS101	E.CAPACITOR 50V 100U	1	
C1032		ECKD2H101KB	C.CAPACITOR 500V 100P	1	
C1033		ECKD2H221KB	C.CAPACITOR 500V 220P	1	
C1034		ECA1EFZ561LE	E.CAPACITOR 10V 560U	1	
C1035		ECEA1AGE471	E.CAPACITOR 10V 470U	1	
C1036		ECEA1EGE471	E.CAPACITOR 25V 470U	1	
C1038		ECQB1H223JF	P.CAPACITOR 50V 6800P	1	
C1039		ECEA1HFS100	E.CAPACITOR 50V 10U	1	
C1040		ECA1AFZ122LE	E.CAPACITOR 10V 1200U	1	
C1041		ECA1EFZ561LE	E.CAPACITOR 10V 560U	1	
C1042		ECEA1AGE471	E.CAPACITOR 10V 470U	1	
C1043		ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1044		ECA1AFZ392E	E.CAPACITOR 10V 3900U	1	
C1045		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C1046		ECA1AFZ821E	E.CAPACITOR 10V 820U	1	
C1048		ECA1EFZ471LE	E.CAPACITOR 10V 470U	1	
C1050		ECKD2H221KB	C.CAPACITOR 500V 220P	1	
C1051		ECEA1HFE560	E.CAPACITOR 50V 56U	1	
C1052		ECA1VFQ681E	E.CAPACITOR 10V 680U	1	
C1054		ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1055		ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1057		ECEA1VGE102	E.CAPACITOR 35V 1000U	1	
C1058		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C1059		ECQB1H154JF	P.CAPACITOR 50V 0.15U	1	
C1060		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C1061		ECQB1H154JF	P.CAPACITOR 50V 0.15U	1	
C1062		ECKD2H101KB	C.CAPACITOR 500V 100P	1	
C1063		ECKD2H471KB	C.CAPACITOR 500V 470U	1	
C1201		ECEA1CGE100	E.CAPACITOR 16V 10U	1	
C1202		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1203		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C1204		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C1205		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C1206		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C1207		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1208,09		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C1210		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1211,12		ECEA1CGE101	E.CAPACITOR 16V 100U	2	
C1213		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
D1001		RB402D	DIODE	1	<R>
D1002		8P2M	DIODE	1	<R>
D1003-05		VSD0002	DIODE	3	<R>
D1006		MA4030L	DIODE	1	<R>
D1007		MA178	DIODE	1	<R>
D1008,09		VSD0002	DIODE	2	<R>
D1010		MA4030L	DIODE	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D1011		MA178	DIODE	1	<R>
D1012		AK04	DIODE	1	<R>
D1013		VSD0001	DIODE	1	<R>
D1014		VSD0002	DIODE	1	<R>
D1015		FMLG12SP	DIODE	1	<R>
D1016		FMB-G14L	DIODE	1	<R>
D1017		MA165	DIODE	1	<R>
D1018-20		MA178	DIODE	3	<R>
D1021		FMB-G14L	DIODE	1	<R>
D1022		RK46	DIODE	1	<R>
D1023		RL4ZPLF	DIODE	1	<R>
D1024		VSD0001	DIODE	1	<R>
D1025		FMLG12SP	DIODE	1	<R>
D1026		MA165	DIODE	1	<R>
D1027,28		TL431CLP	IC	2	<R>
D1029		MA178	DIODE	1	<R>
D1030		MA4150M	DIODE	1	<R>
D1031,32		MA178	DIODE	2	<R>
D1033		MA165	DIODE	1	<R>
D1034		MA178	DIODE	1	<R>
D1201		MA165	DIODE	1	<R>
D1202		MA3043-L	DIODE	1	<R>
D1203		MA3180-L	DIODE	1	<R>
D1204		MA151K	DIODE	1	<R>
D1205		MA3043-L	DIODE	1	<R>
D1206		8P2M	DIODE	1	<R>
D1207		MA151K	DIODE	1	<R>
D1208		MA3056-L	DIODE	1	<R>
D1209		MA3068H	DIODE	1	<R>
D1210		8P2M	DIODE	1	<R>
D1211		MA3180-L	DIODE	1	<R>
D1212		MA3130-L	DIODE	1	<R>
D1213		MA165	DIODE	1	<R>
D1214		MA167	DIODE	1	<R>
F1001		XBA1C40NU100	FUSE	1	<!><R>
IC1001,02		STRD6009E	IC	2	<R>
IC1201		UPC4556G	IC	1	<R>
IC1202		LM393PS	IC	1	<R>
L1001,02		ELF18D605	COIL	2	
L1003		VLQ0354	COIL	1	
L1004		VLQ0239	COIL	1	
L1005		VLQ0354	COIL	1	
L1006		VLQ0239	COIL	1	
P1001,02		VJP2638	CONNECTOR(MALE) 4P	2	
P1006		VJP1154	CONNECTOR(MALE) 12P	1	
P1007		VJP1247T	CONNECTOR(MALE) 7P	1	
P1008		VJP1252R	CONNECTOR(MALE) 12P	1	
P1201		VJR0189	CONNECTOR(MALE) 10P	1	
Q1001,02		PC111A	PHOTO COUPLER	2	<!><R>
Q1003,04		2SD638	TRANSISTOR	2	(R,S)<R>
Q1005		2SD1273	TRANSISTOR	1	(P,Q)<R>
Q1201,02		MSD601-R	TRANSISTOR	2	<R>
R1001		ERC12GM334	S.RESISTOR 1/2W 330K	1	
R1002		ERC12ZGK685	S.RESISTOR 1/2W 6.8M	1	
R1003		VSF0078	M.RESISTOR	1	
R1004,05		ERDS2TJ102	C.RESISTOR 1/4W 1K	2	
R1006		ERG1SJ561	M.RESISTOR 1W 560	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R1007,08		ERDS2TJ153	C.RESISTOR 1/4W 15K	2	
R1009,10		ERDS2TJ684	C.RESISTOR 1/4W 680K	2	
R1011		ERG3SJ393	M.RESISTOR 3W 39K	1	
R1012		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1013		ERG2SJ470	M.RESISTOR 2W 47	1	
R1014		ERD2FCG681	C.RESISTOR 1/4W 680	1	
R1015		ERDS2TJ221	C.RESISTOR 1/4W 220	1	
R1016,17		ERDS2TJ684	C.RESISTOR 1/4W 680K	2	
R1018,19		ERDS2TJ153	C.RESISTOR 1/4W 15K	2	
R1020		ERG3SJ393	M.RESISTOR 3W 39K	1	
R1021		ERD2FCG102	C.RESISTOR 1/4W 1K	1	
R1022		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1023		ERDS2TJ221	C.RESISTOR 1/4W 220	1	
R1024		ERDS2TJ331	C.RESISTOR 1/4W 330	1	
R1025		ERDS2TJ560	C.RESISTOR 1/4W 56	1	
R1026		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1027		EROS2CKG1501	M.RESISTOR 1/4W 1.5K	1	
R1028		EROS2CKG1601	M.RESISTOR 1/4W 1.6K	1	
R1029		ERDS2TJ121	C.RESISTOR 1/4W 120	1	
R1030		ERG2SJ180	M.RESISTOR 2W 18	1	
R1031		EROS2CKG1801	M.RESISTOR 1/4W 1.8K	1	
R1032		EROS2CKG1201	M.RESISTOR 1/4W 1.2K	1	
R1033		ERQ12HJ1R5	F.RESISTOR 1/2W 1.5	1	
R1034		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1035		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R1036		ERG2SJ820U	M.RESISTOR 2W 82	1	
R1037		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R1038		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1039		ERG2SJ220U	M.RESISTOR 2W 22	1	
R1040		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1041		ERQ12HJ1R0P	F.RESISTOR 1/2W 1	1	
R1043-45		ERDS2TJ102	C.RESISTOR 1/4W 1K	3	
R1201		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R1202		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1203		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1204		ERJ6GEYJ153	M.RESISTOR CH1/10W 15K	1	
R1205		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1206		ERJ6GEYJ393	M.RESISTOR CH1/10W 39K	1	
R1207		ERJ6GEYG113	M.RESISTOR CH1/10W 11K	1	
R1208		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R1209		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1210		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R1211		ERJ6GEYJ331	M.RESISTOR CH1/10W 330	1	
R1212		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1213		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1214		ERJ6GEYJ222	M.RESISTOR CH1/10W 2.2K	1	
R1215		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1216		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1217		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R1218		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1219		ERJ6GEYJ223	M.RESISTOR CH1/10W 22K	1	
R1220		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1221		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R1222		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1223		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R1224,25		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R1226		ERJ6GEYJ273	M.RESISTOR CH1/10W 27K	1	
R1227		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	1	
R1228,29		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R1230		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R1231		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
T1001		VLT0609	TRANSFORMER	1	<!><R>
T1002		VLT0610	TRANSFORMER	1	<!><R>
			MIUSCELLANEOUS		
E126		VJF0318	FUSE HOLDER	2	<!><R>
E127		VMZ0429	FUSE COVER	1	<!><R>
E128		VMZ0965	CAPACITOR COVER	6	
E129		VMZ1305	CAPACITOR COVER	2	
E130		VSC1068	HEAT SINK	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E131		VSC3228	COVER	1	
E132		XTV3+8F	SCREW	1	
	■	VEP01429A	SUB POWER C.B.A.		
C1501		ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1502		ECEA1DPS681	E.CAPACITOR 20V 680U	1	
C1503		ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1504		ECEA1DPS681	E.CAPACITOR 20V 680U	1	
C1505		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C1506		ECEA1EGE102	E.CAPACITOR 25V 1000U	1	
C1507		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1508		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1509,10		ECEA1CGE470	E.CAPACITOR 16V 47U	2	
C1511		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1512,13		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C1514		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C1515		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
D1501		MA4130M	DIODE	1	<R>
IC1501		STR9005	IC	1	<R>
IC1502		STR9012	IC	1	<R>
IC1503		AN7905F	IC	1	<R>
IC1504		AN7912F	IC	1	<R>
P1501		VJP1147	CONNECTOR(MALE) 12P	1	
P1502		VJP1146	CONNECTOR(MALE) 10P	1	
Q1501		2SD1273	TRANSISTOR	1	(P,Q)<R>
Q1502		2SD973	TRANSISTOR	1	(Q,R,S)<R>
R1501		ERDS2TJ224	C.RESISTOR 1/4W 220K	1	
R1503		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R1505		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
			MISCELLANEOUS		
E133		VSC1068	HEAT SINK	1	
E134		VSC3193	HEAT SINK	1	
E135		XTV3+8F	SCREW	6	
E136		XTV3+12F	SCREW	4	
	■	VEP04303B	FRONT JACK C.B.A.		
C43001		ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C43005		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C43006,07		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C43042		ECKF1H122KB	C.CAPACITOR 50V 1200P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D43001		MA3068	DIODE	1	<R>
FL43003,04		VLF0523	FILTER	2	
IC43001		MC14053BF	IC	1	<R>
IC43002		UPC4556G	IC	1	<R>
P43002		VJP1250T	CONNECTOR(MALE) 10P	1	
P43003		VJP1243T	CONNECTOR(MALE) 3P	1	
Q43001,02		2SD1306	TRANSISTOR	2	<R>
Q43006		MSD602	TRANSISTOR	1	<R>
R43001		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R43002		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R43003		ERJ6GEYJ472	M.RESISTOR CH1/10W 4.7K	1	
R43004		ERJ6GEYJ683	M.RESISTOR CH1/10W 68K	1	
R43005		ERJ6GEYJ391	M.RESISTOR CH1/10W 390	1	
R43008,09		ERJ6GEYJ103	M.RESISTOR CH1/10W 10K	2	
R43014		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R43015		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R43016		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R43017		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R43019		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	1	
R43020		ERJ6GEYJ561	M.RESISTOR CH1/10W 560	1	
R43021		ERJ6GEYJ470	M.RESISTOR CH1/10W 47	1	
R43022		ERJ6GEYJ101	M.RESISTOR CH1/10W 100	1	
R43025		ERJ6GEYJ121	M.RESISTOR CH1/10W 120K	1	
R43026,27		ERJ6GEYJ102	M.RESISTOR CH1/10W 1K	2	
R43028		ERJ6GEYJ121	M.RESISTOR CH1/10W 120K	1	
VR43001		EWKH1AY15B14	V.RESISTOR 10K	1	
			MISCELLANEOUS		
E152		VJJ0084	MIC JACK	2	<R>
E153		VJJ0094	HEADPHONE JACK	1	<R>
E154		VMP0909	ANGLE	1	
E155		VMP3148	VR ANGLE	1	
	■	VEP00P84B	MOTHER (1) C.B.A.		
P904		VJP1248T	CONNECTOR(MALE) 8P	1	
P905		VJP2981B006	CONNECTOR(MALE)	1	
P906		VJP1252R	CONNECTOR(MALE) 12P	1	
P907		VJP1153	CONNECTOR(MALE)	1	
P908,09		VJS2926	CONNECTOR(FEMALE) 50P	2	
P910		VJP1252T	CONNECTOR(MALE) 12P	1	
P912		VJS2926	CONNECTOR(FEMALE) 50P	1	
P916		VJP1248T	CONNECTOR(MALE) 8P	1	
P917		VJP2981B005	CONNECTOR(MALE) 5P	1	
P918		VJP1152	CONNECTOR(MALE) 8P	1	
P919		VJP1243T	CONNECTOR(MALE) 3P	1	
P920		VJP1154	CONNECTOR(MALE) 12P	1	
P921		VJS1444	CONNECTOR(FEMALE) 24P	1	
P922		VJS1477	CONNECTOR(FEMALE) 15P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P923		VJP1245T	CONNECTOR(MALE) 5P	1	
P924,25		VJP1251T	CONNECTOR(MALE) 11P	2	
P926		VJP1244T	CONNECTOR(MALE) 4P	1	
P962		VJP1394T	CONNECTOR(MALE) 13P	1	
P963		VJP1243T	CONNECTOR(MALE) 3P	1	
P965		VJP2981B008	CONNECTOR(MALE) 8P	1	
			MISCELLANEOUS		
E145		VMP2849	ANGLE	1	
E146		VWJ24HW130MM	FLEXIBLE WIRE	1	<R>
E147		VWJ15HW100MM	FLEXIBLE WIRE	1	<R>
E148		VMZ2967	INSULATION	1	
E149		VHN0011	RIVET	4	
E150		XTV26+8F	SCREW	6	
E151		XTV3+8F	SCREW	2	
	■	VEP00P85A	MOTHER (2) C.B.A.		
P953-56		VJS2926	CONNECTOR(FEMALE) 50P	4	
P959		VJS1444	CONNECTOR(FEMALE) 24P	1	
P960		VJS1477	CONNECTOR(FEMALE) 15P	1	
P961		VJP1154	CONNECTOR(MALE) 12P	1	
P964		VJP1247T	CONNECTOR(MALE) 7P	1	
P966		VJP1232T	CONNECTOR(MALE) 5P	1	
P967		VJP1394T	CONNECTOR(MALE) 13P	1	
P968		VJP1246T	CONNECTOR(MALE) 6P	1	
P970,71		VJS1444	CONNECTOR(FEMALE) 24P	2	
P972		VJP1245T	CONNECTOR(MALE) 5P	1	
P973		VJP1244G	CONNECTOR(MALE) 4P	1	
P974,75		VJP1243T	CONNECTOR(MALE) 3P	2	
P976		VJP2981A006	CONNECTOR(MALE) 6P	1	
			MISCELLANEOUS		
E137		VMP2850	ANGLE	1	
E138		VJF0013	CLAMP	4	
E139		VMP2911	ANGLE	1	
E140		VSC3232	INSULATION	1	
E141		VHN0011	RIVET	6	
E142		VWJ24HW110MM	FLEXIBLE WIRE	2	<R>
E143		XTV26+8F	SCREW	8	
E144		XTV3+8F	SCREW	4	
	■	VEP06694A	FRONT CONNECT C.B.A.		
C62501,02		ECEA0JU102	E.CAPACITOR 6.3V 1000U	2	
C62503,04		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
IC62501-03		MC14053BCP	IC	3	<R>
L62501		VLQ0068	COIL	1	
P62501-04		VJS1444	CONNECTOR(FEMALE) 24P	4	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P62505		VJP1238T	CONNECTOR(MALE) 11P	1	
R62501,02		ERD2FCJ4R7	C.RESISTOR 1/4W 4.7	2	
R62503		ERDS2TJ473	C.RESISTOR 1/4W 47K	1	
	■	VEK5100	MOTOR BASE C.B.A.		
P65101		VJS1491	CONNECTOR 13P	1	
P65102		VJP1229R	CONNECTOR 2P	1	
P65103		VJP1229T	CONNECTOR 2P	1	
P65104		VJP1232T	CONNECTOR 5P	1	
P65105		VJP1229G	CONNECTOR 2P	1	
	■	VEK2657	TENSION SENSOR UNIT		
Q1504		ON1301	PHOTO INTERRUPTOR	1	<R>
R1502		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
	■	VEK4265	REV TENSION SENSOR UNIT		
			MISCELLANEOUS		
E156		VMA7987	REV PHOTO HOLDER	1	
E157		ON1108	PHOTO INTERRUPTOR	1	
	■	VEK3578	PHOTO TR. (L) UNIT		
C1501		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
Q1501		PN150NVS	PHOTO TR.	1	<R>
			MISCELLANEOUS		
E158		VMP0645	PHOTO TR. HOLDER	1	
	■	VEK4058	PHOTO TR. (R) UNIT		
C1502		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
P1508		VJS2165W	CONNECTOR (FEMALE) 6P	1	
Q1502		PN150NVS	PHOTO TR.	1	<R>
R1503		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
			MISCELLANEOUS		
E159		VMP0645	PHOTO TR. HOLDER	1	

Section 10

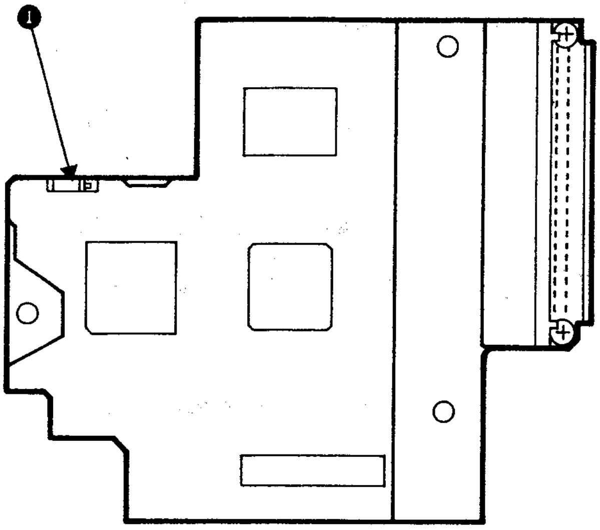
Time Code Generator/Reader

AG-F700-P

CONTENTS

Block Diagram 10-3
Circuit Board Diagram 10-4
Schematic Diagram 10-5
Exproded View 10-6
Mechanical Replacement Parts List 10-6
Erectrical Replacement Parts List 10-7

Operating Instructions



(AG-F700)

❶ **ALL DEL Switch**

Set this to ON in the following cases:

1) When the line in which the vertical interval time code (VITC) is inserted differs for the playback machine and editor.
2) When using a tape with 3 or more VITCs recorded on the it.

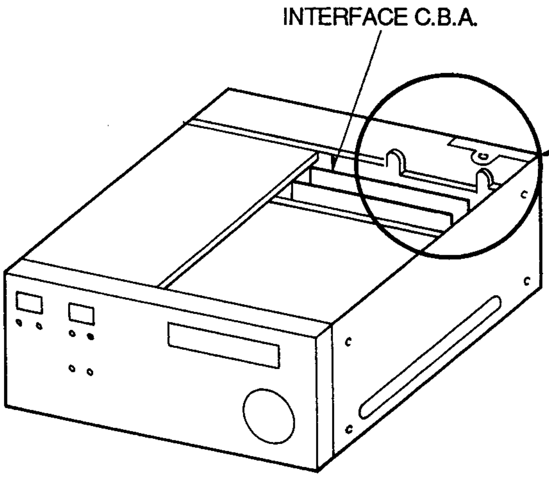
Notes:

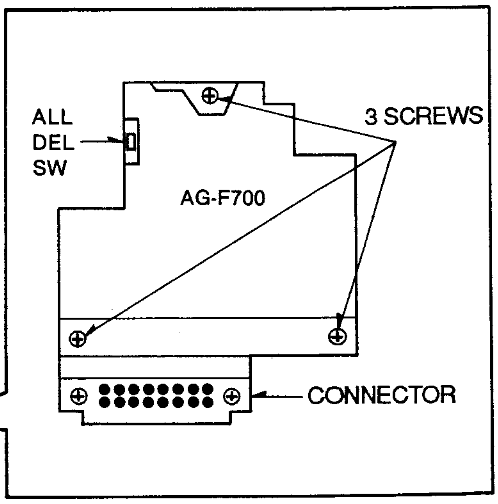
- Bear in mind that the already recorded VITC data may be deleted when the ALL DEL switch is set to ON.
- During playback the VITC insertion line is displayed on the monitor when the CONTROL switch is set to REMOTE and the RESET button is pressed.
- Do not set the VITC insertion line to 10H or 11H when the TBC facility is to be set ON.

Installation of the Time Code Generator/Reader (AG-F700)

Accessories: Screws................................3 pcs.

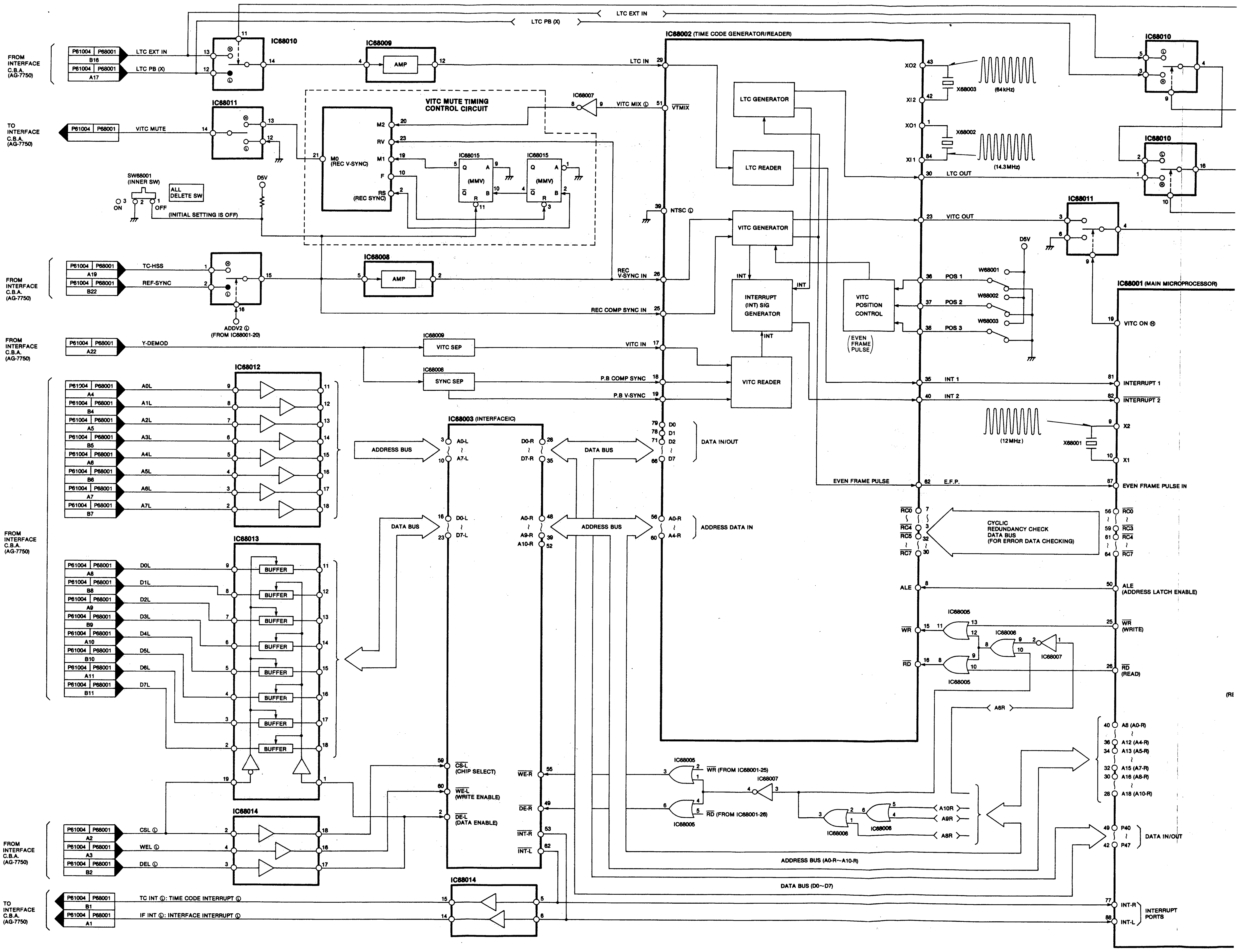
1. Remove the Top Panel from the Deck.
2. Connect the Connector to P61004 of the Interface C.B.A. as shown below.
3. Tighten up the 3 screws.



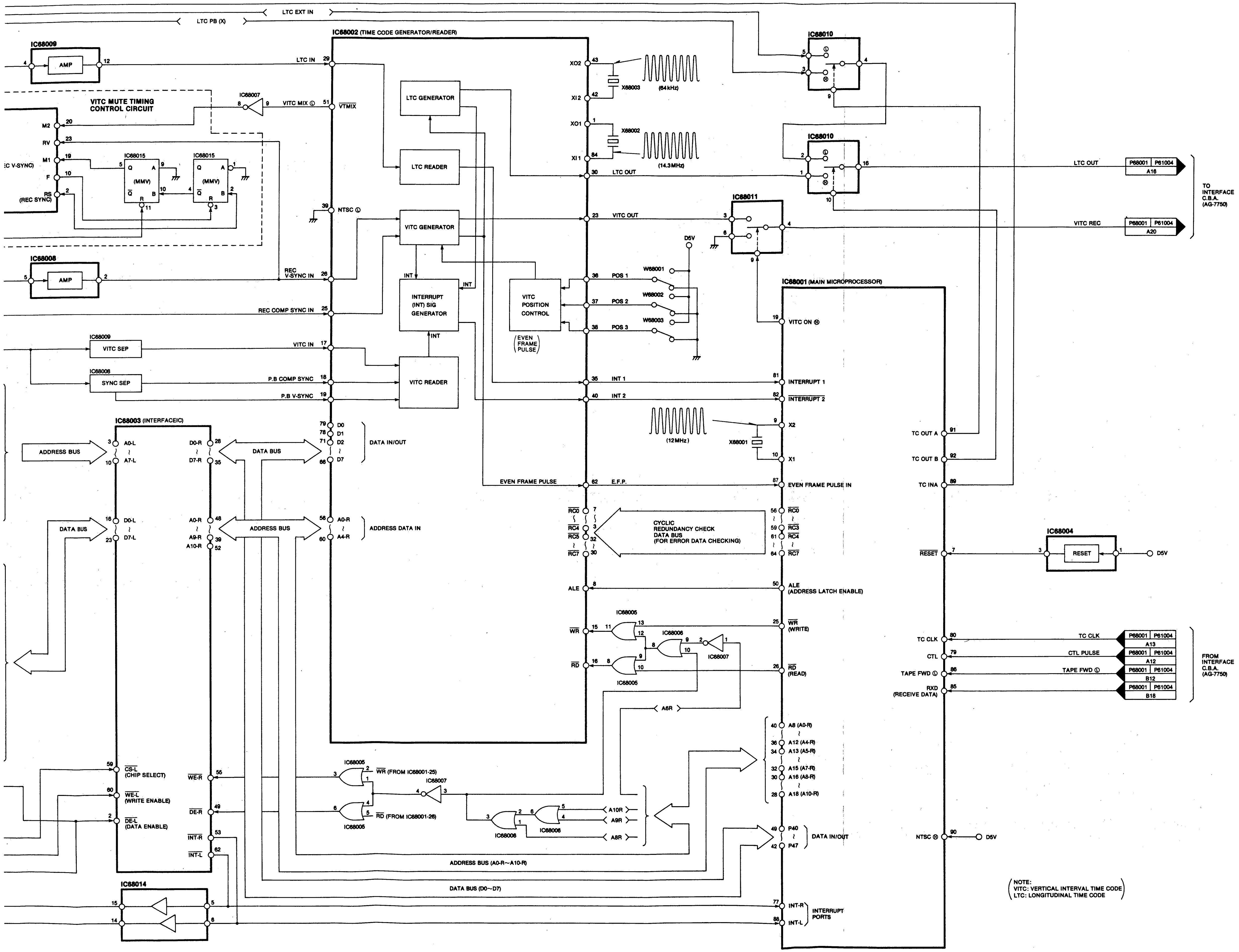


NOTE:
Do not installing and reinstalling on POWER ON mode.

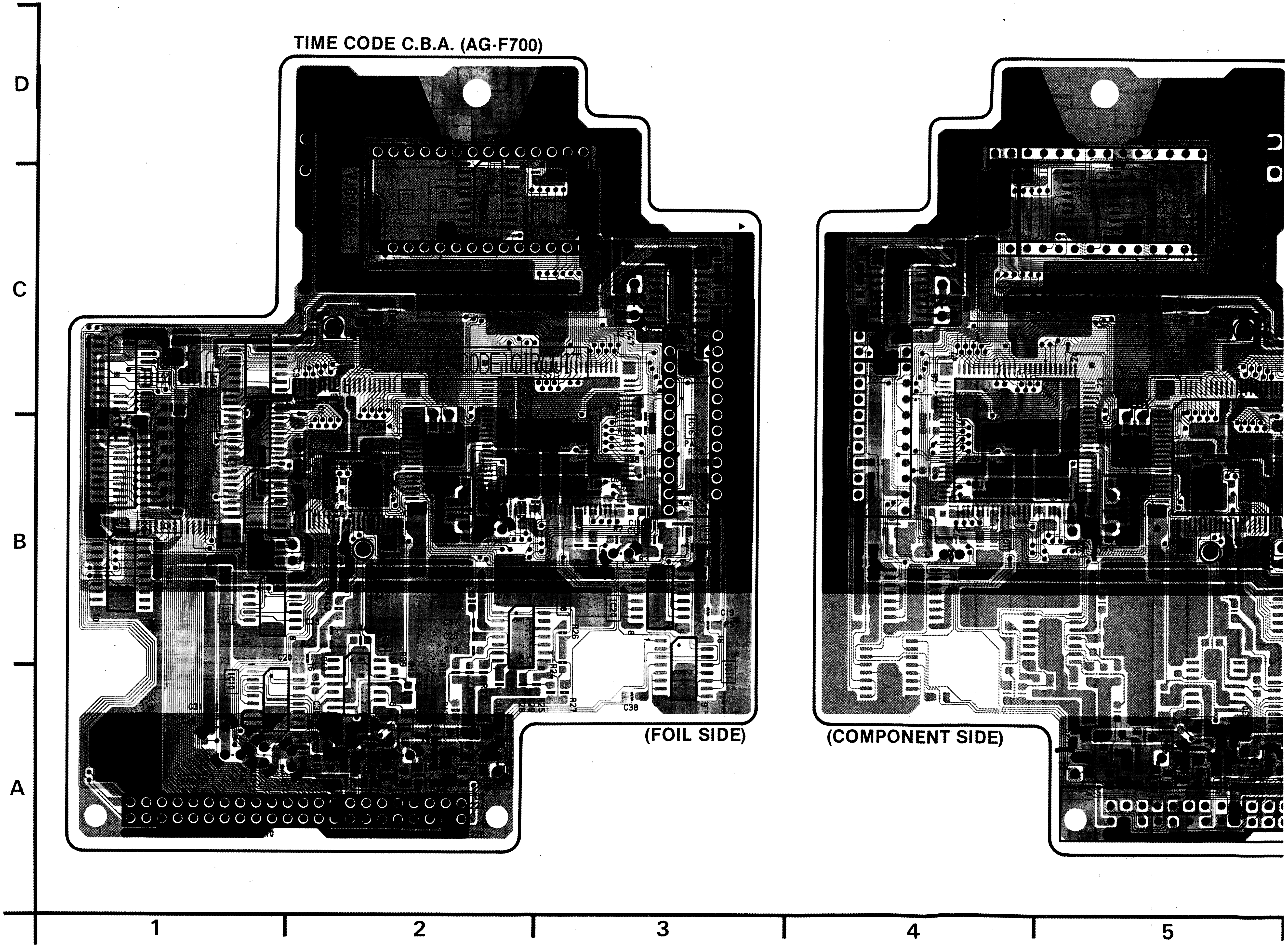
TIME CODE GENERATOR/READER (AG-F700) BLOCK DIAGRAM


LTC EXT IN
LTC PB (X)
FROM INTERFACE C.B.A. (AG-7750)
P61004 P68001 B16 LTC EXT IN
P61004 P68001 A17 LTC PB (X)
IC68010
IC68009
AMP
IC68002 (TIME CODE GENERATOR/READER)
LTC IN
TO INTERFACE C.B.A. (AG-7750)
P61004 P68001 VITC MUTE
IC68011
VITC MUTE TIMING CONTROL CIRCUIT
M2
RV
M1
F
RS (REC SYNC)
M0 (REC V-SYNC)
IC68015
(MMV)
IC68007
VITC MIX ①
VTMIX
SW68001 (INNER SW)
ALL DELETE SW
ON
OFF
(INITIAL SETTING IS OFF)
D5V
NTSC ①
LTC GENERATOR
LTC READER
VITC GENERATOR
INTERRUPT (INT) SIG GENERATOR
INT
VITC READER
VITC POSITION CONTROL
(EVEN FRAME PULSE)
XO2
XI2
XO1
XI1
X68003 (64 kHz)
X68002 (14.3 MHz)
LTC OUT
VITC OUT
POS 1
POS 2
POS 3
W68001
W68002
W68003
INT 1
INT 2
P61004 P68001 A19 TC-HSS
P61004 P68001 B22 REF-SYNC
IC68008
ADDV2 ① (FROM IC68001-20)
REC V-SYNC IN
REC COMP SYNC IN
P61004 P68001 A22 Y-DEMOD
IC68009 VITC SEP
IC68006 SYNC SEP
VITC IN
P.B COMP SYNC
P.B V-SYNC
IC68012
A0L A1L A2L A3L A4L A5L A6L A7L
A4 B4 A5 B5 A6 B6 A7 B7
IC68013
BUFFER
D0L D1L D2L D3L D4L D5L D6L D7L
A8 B8 A9 B9 A10 B10 A11 B11
IC68003 (INTERFACEIC)
ADDRESS BUS
DATA BUS
A0-L ~ A7-L
D0-L ~ D7-L
D0-R ~ D7-R
A0-R ~ A9-R A10-R
D0 D1 D2 ~ D7
DATA IN/OUT
A0-R ~ A4-R
ADDRESS DATA IN
CS-L (CHIP SELECT)
WE-L (WRITE ENABLE)
DE-L (DATA ENABLE)
WE-R
DE-R
INT-R
INT-L
IC68014
P61004 P68001 A2 CSL ①
P61004 P68001 A3 WEL ①
P61004 P68001 B2 DEL ①
P61004 P68001 B1 TC INT ①: TIME CODE INTERRUPT ①
P61004 P68001 A1 IF INT ①: INTERFACE INTERRUPT ①
IC68005
WR (FROM IC68001-25)
RD (FROM IC68001-26)
IC68006
A10R
A9R
A8R
ADDRESS BUS (A0-R~A10-R)
DATA BUS (D0~D7)
EVEN FRAME PULSE
E.F.P.
RC0 ~ RC4 RC5 ~ RC7
CYCLIC REDUNDANCY CHECK DATA BUS (FOR ERROR DATA CHECKING)
ALE
WR
RD
IC68001 (MAIN MICROPROCESSOR)
VITC ON ®
INTERRUPT 1
INTERRUPT 2
X2
X1
X68001 (12 MHz)
EVEN FRAME PULSE IN
RC0 ~ RC3 RC4 ~ RC7
ALE (ADDRESS LATCH ENABLE)
WR (WRITE)
RD (READ)
A8 (A0-R) ~ A12 (A4-R) A13 (A5-R) ~ A15 (A7-R) A16 (A8-R) ~ A18 (A10-R)
P40 ~ P47
DATA IN/OUT
INT-R
INT-L
INTERRUPT PORTS

ER (AG-F700) BLOCK DIAGRAM

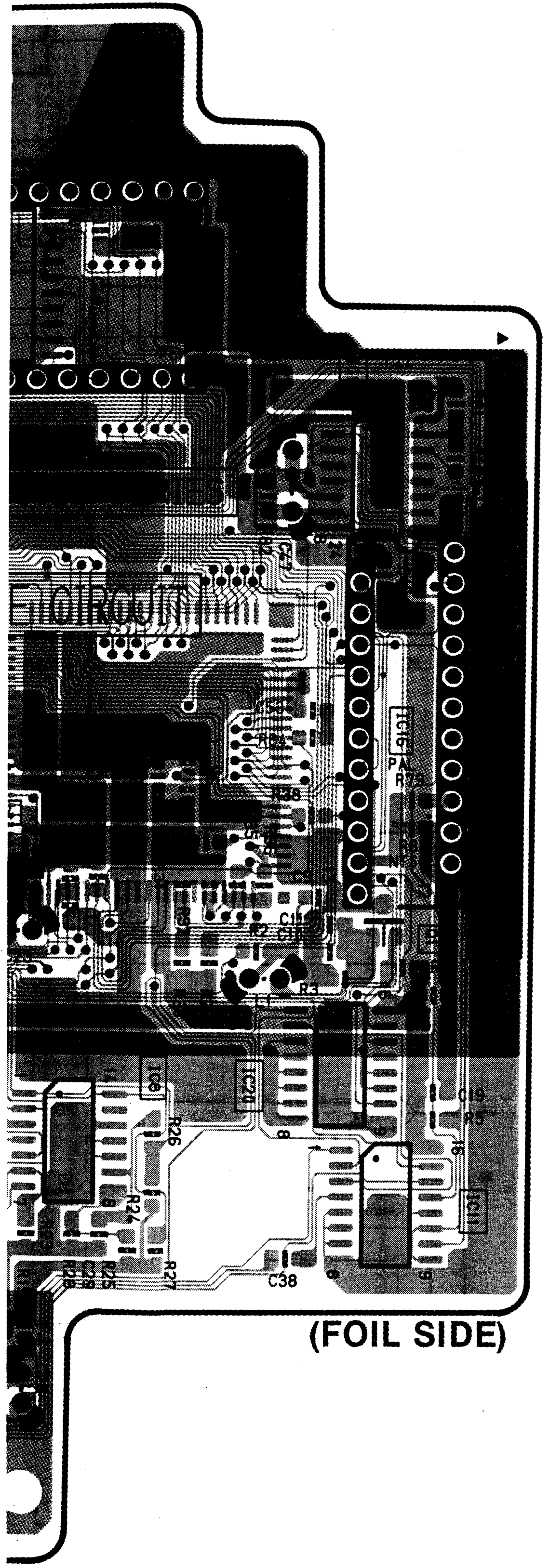

LTC EXT IN
LTC PB (X)
IC68009
AMP
IC68002 (TIME CODE GENERATOR/READER)
LTC IN
VITC MUTE TIMING CONTROL CIRCUIT
IC68007
VITC MIX
VTMIX
M2
RV
M1
F
RS (REC SYNC)
C V-SYNC)
IC68015
(MMV)
LTC GENERATOR
LTC READER
VITC GENERATOR
INTERRUPT (INT) SIG GENERATOR
VITC POSITION CONTROL
(EVEN FRAME PULSE)
VITC READER
NTSC
IC68008
REC V-SYNC IN
REC COMP SYNC IN
VITC SEP
SYNC SEP
VITC IN
P.B COMP SYNC
P.B V-SYNC
XO2
XI2
XO1
XI1
X68003
(64 kHz)
X68002
(14.3 MHz)
LTC OUT
VITC OUT
POS 1
POS 2
POS 3
W68001
W68002
W68003
D5V
INT 1
INT 2
IC68010
IC68011
TO INTERFACE C.B.A. (AG-7750)
P68001
P61004
A16
A20
VITC REC
IC68001 (MAIN MICROPROCESSOR)
VITC ON
INTERRUPT 1
INTERRUPT 2
X2
X1
X68001
(12 MHz)
EVEN FRAME PULSE
E.F.P.
EVEN FRAME PULSE IN
TC OUT A
TC OUT B
TC INA
IC68003 (INTERFACEIC)
ADDRESS BUS
DATA BUS
A0-L
A7-L
D0-R
D7-R
D0-L
D7-L
A0-R
A9-R
A10-R
D0
D1
D2
D7
DATA IN/OUT
A4-R
ADDRESS DATA IN
RC0
RC3
RC4
RC5
RC7
CYCLIC REDUNDANCY CHECK DATA BUS (FOR ERROR DATA CHECKING)
IC68004
RESET
ALE
ALE (ADDRESS LATCH ENABLE)
IC68005
IC68006
WR
WR (WRITE)
RD
RD (READ)
A8R
A8 (A0-R)
A12 (A4-R)
A13 (A5-R)
A15 (A7-R)
A16 (A8-R)
A18 (A10-R)
TC CLK
CTL
CTL PULSE
TAPE FWD
RXD (RECEIVE DATA)
B12
B18
A13
A12
FROM INTERFACE C.B.A. (AG-7750)
CS-L (CHIP SELECT)
WE-L (WRITE ENABLE)
DE-L (DATA ENABLE)
WE-R
DE-R
INT-R
INT-L
WR (FROM IC68001-25)
RD (FROM IC68001-26)
A10R
A9R
P40
P47
NTSC
ADDRESS BUS (A0-R~A10-R)
DATA BUS (D0~D7)
IC68014
INT-R
INT-L
INTERRUPT PORTS
NOTE:
VITC: VERTICAL INTERVAL TIME CODE
LTC: LONGITUDINAL TIME CODE

TIME CODE GENERATOR/READER C.B.A. (AG-F700)

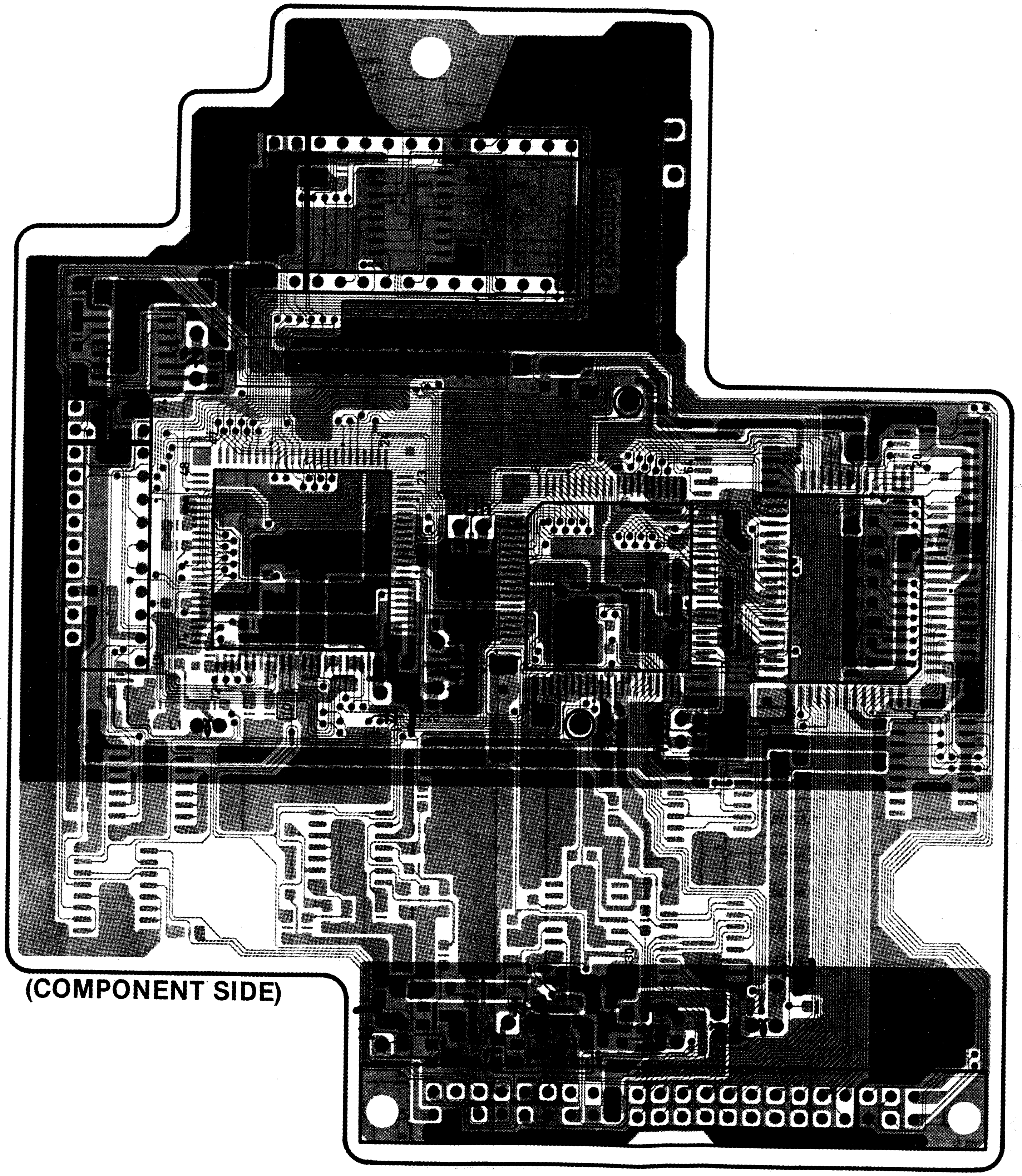

TIME CODE C.B.A. (AG-F700)
D
C
B
A
(FOIL SIDE)
(COMPONENT SIDE)
1
2
3
4
5

700)

-F700)



(FOIL SIDE)



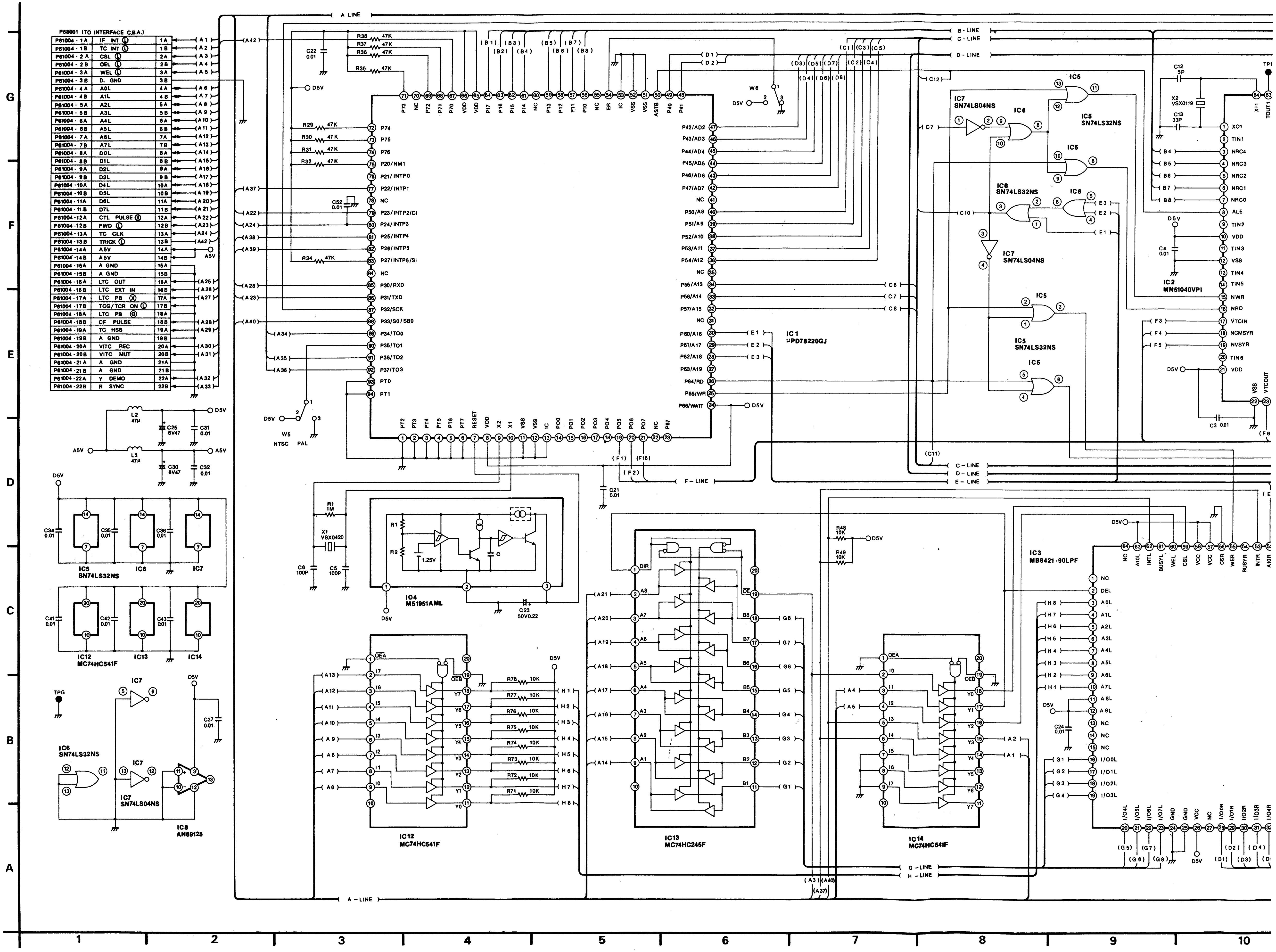
(COMPONENT SIDE)

3 4 5 6

TIME CODE C.B.A.	
Integrated Circuits	
IC68001	B-4 ©
IC68002	B-6 ©
IC68003	B-6 ©
IC68004	B-2 Ⓕ
IC68005	B-1 Ⓕ
IC68006	B-1 Ⓕ
IC68007	B-1 Ⓕ
IC68008	A-3 Ⓕ
IC68009	A-2 Ⓕ
IC68010	A-1 Ⓕ
IC68011	A-3 Ⓕ
IC68012	B-1 Ⓕ
IC68013	C-1 Ⓕ
IC68014	B-1 Ⓕ
IC68015	C-3 Ⓕ
IC68016	B-3 Ⓕ
IC68016	C-4 ©
IC68017	C-2 Ⓕ
IC68017	C-4 ©
IC68018	C-2 Ⓕ
IC68019	C-1 Ⓕ
IC68020	B-3 Ⓕ
Transistor	
Q68001	B-3 Ⓕ
Test Points	
TP68001	C-2 Ⓕ
TP68001	C-5 ©
TP68002	B-2 Ⓕ
TP68002	B-5 ©
TPG68001	C-2 Ⓕ
TPG68001	C-5 ©
Connectors	
P68001	A-1 Ⓕ
P68001	A-5 ©

ADDRESS INFORMATION
©... COMPONENT SIDE
Ⓕ... FOIL SIDE

TIME CODE GENERATOR/READER (AG-F700) SCHEMATIC DIAGRAM



P68001 (TO INTERFACE C.B.A.)
P61004 - 1A IF INT Ⓛ 1A (A1)
P61004 - 1B TC INT Ⓛ 1B (A2)
P61004 - 2A CSL Ⓛ 2A (A3)
P61004 - 2B OEL Ⓛ 2B (A4)
P61004 - 3A WEL Ⓛ 3A (A5)
P61004 - 3B D. GND 3B
P61004 - 4A A0L 4A (A6)
P61004 - 4B A1L 4B (A7)
P61004 - 5A A2L 5A (A8)
P61004 - 5B A3L 5B (A9)
P61004 - 6A A4L 6A (A10)
P61004 - 6B A5L 6B (A11)
P61004 - 7A A6L 7A (A12)
P61004 - 7B A7L 7B (A13)
P61004 - 8A D0L 8A (A14)
P61004 - 8B D1L 8B (A15)
P61004 - 9A D2L 9A (A16)
P61004 - 9B D3L 9B (A17)
P61004 - 10A D4L 10A (A18)
P61004 - 10B D5L 10B (A19)
P61004 - 11A D6L 11A (A20)
P61004 - 11B D7L 11B (A21)
P61004 - 12A CTL PULSE Ⓗ 12A (A22)
P61004 - 12B FWD Ⓛ 12B (A23)
P61004 - 13A TC CLK 13A (A24)
P61004 - 13B TRICK Ⓛ 13B (A42)
P61004 - 14A A5V 14A
P61004 - 14B A5V 14B
A5V
P61004 - 15A A GND 15A
P61004 - 15B A GND 15B
P61004 - 16A LTC OUT 16A (A25)
P61004 - 16B LTC EXT IN 16B (A26)
P61004 - 17A LTC PB Ⓧ 17A (A27)
P61004 - 17B TCG/TCR ON Ⓛ 17B
P61004 - 18A LTC PB Ⓖ 18A
P61004 - 18B CF PULSE 18B (A28)
P61004 - 19A TC HSS 19A (A29)
P61004 - 19B A GND 19B
P61004 - 20A VITC REC 20A (A30)
P61004 - 20B VITC MUT 20B (A31)
P61004 - 21A A GND 21A
P61004 - 21B A GND 21B
P61004 - 22A Y DEMO 22A (A32)
P61004 - 22B R SYNC 22B (A33)
A LINE
B - LINE
C - LINE
D - LINE
E - LINE
F - LINE
G - LINE
H - LINE
IC1 μPD78220GJ
IC2 MN51040VPI
IC3 MB8421-90LPF
IC4 M51951AML
IC5 SN74LS32NS
IC6 SN74LS32NS
IC7 SN74LS04NS
IC8 AN69125
IC12 MC74HC541F
IC13 MC74HC245F
IC14 MC74HC541F
X1 VSX0420
X2 VSX0119
W5 NTSC PAL
W6
L2 47μ
L3 47μ
C25 6V47
C30 6V47
C23 50V0.22
R1 1M
R29 47K
R30 47K
R31 47K
R32 47K
R34 47K
R35 47K
R36 47K
R37 47K
R38 47K
R48 10K
R49 10K
R71 10K
R72 10K
R73 10K
R74 10K
R75 10K
R76 10K
R77 10K
R78 10K
C5 100P
C6 100P
C12 5P
C13 33P
D5V
A5V
TPG
TP1
1.25V
G
F
E
D
C
B
A
1
2
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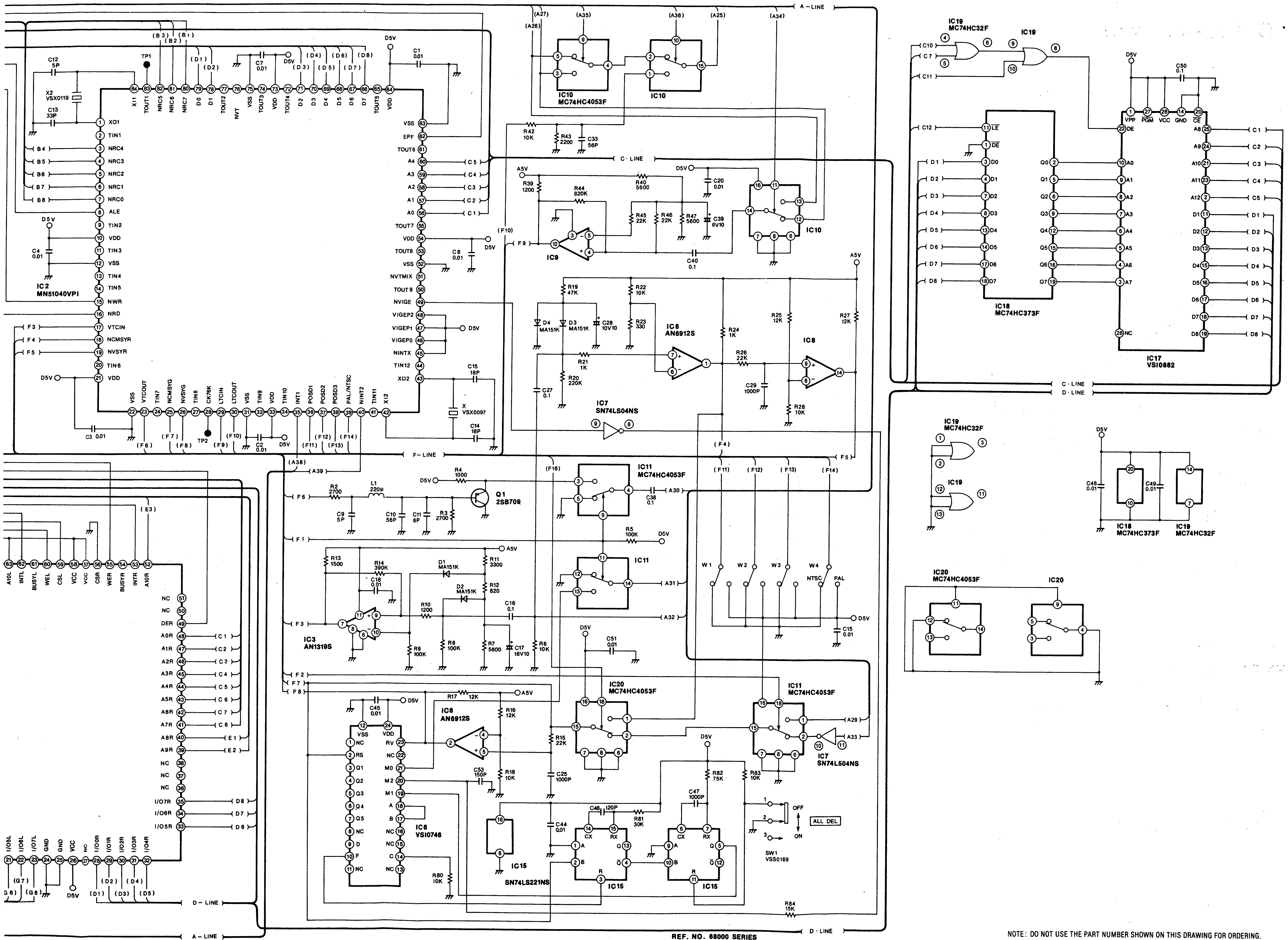
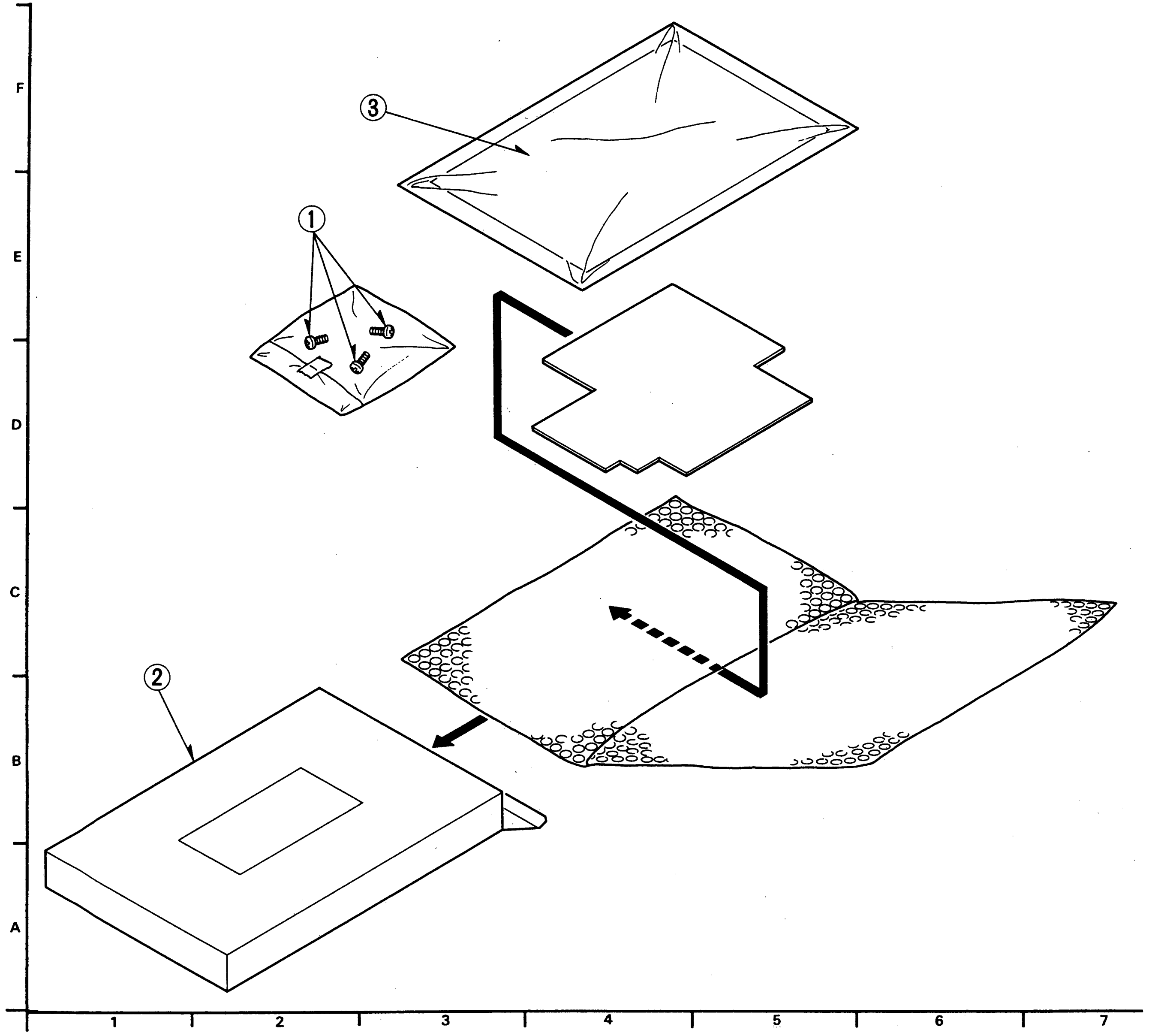

A-LINE
C-LINE
D-LINE
F-LINE
IC2 MN51040VPI
X2 VSX0119
TP1
TP2
IC10 MC74HC4053F
IC9
IC8 AN6912S
IC7 SN74LS04NS
IC11 MC74HC4053F
Q1 2SB709
IC3 AN1319S
IC20 MC74HC4053F
IC6 AN6912S
IC6 VS10746
IC15 SN74LS221NS
IC7 SN74LS04NS
SW1 VSS0169
ALL DEL
OFF
ON
W1
W2
W3
W4
NTSC
PAL
IC19 MC74HC32F
IC18 MC74HC373F
IC17 VSI0882
IC20
X VSX0097
D5V
A5V
REF. NO. 68000 SERIES
10
11
12
13
14
15
16
17
18

NOTE: DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE
SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.
★パーツの注文については、パーツリストを参照してください。

EXPLODED VIEWS ❶ *Packing Parts Section*



MECHANICAL REPLACEMENT PARTS LIST

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
1-1		XTV3+8FR	SCREW	3	
1-2		VPK0612	PACKING CASE	1	<R>
1-3		VQT3918	OPERATING INSTRUCTIONS	1	<R>

ELECTRICAL REPLACEMENT PARTS LIST (AG-F700)

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C68001-04		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C68005,06		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C68007,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C68009		ECUM1H050DCN	C.CAPACITOR CH 50V 50P	1	
C68010		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C68011		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C68012		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C68013		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C68014,15		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	2	
C68016		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68017		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C68018-22		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C68023		ECEA1HKS2R2	E.CAPACITOR 50V 2.2U	1	
C68024		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C68025		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C68026		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C68027		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68028		ECEA1AKS100	E.CAPACITOR 10V 10U	1	
C68029		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C68030		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C68031,32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C68033		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C68034-37		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C68038		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68039		ECEA0JKK100	E.CAPACITOR 6.3V 10U	1	
C68040		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68041-45		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C68046		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C68047		ECQB1H102JF	P.CAPACITOR 50V 1000P	1	
C68048-51		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
D68001-04		MA151K	DIODE	4	<R>
IC68001		UPD78220GJ	IC	1	<R>
IC68002		MN51040VPI	IC	1	<R>
IC68003		MB8421-90LPF	IC	1	<R>
IC68004		M51951AML	IC	1	<R>
IC68005,06		SN74LS32NS	IC	2	<R>
IC68007		SN74LS04NS	IC	1	<R>
IC68008		AN6912S	IC	1	<R>
IC68009		AN1319S	IC	1	<R>
IC68010,11		MC74HC4053F	IC	2	<R>
IC68012		MC74HC541F	IC	1	<R>
IC68013		MC74HC245AF	IC	1	<R>
IC68014		MC74HC541F	IC	1	<R>
IC68015		SN74LS221NS	IC	1	<R>
IC68016		UPD65005X436	IC	1	<R>
IC68017		VSI0882	IC	1	<R>
IC68018		MC74HC373F	IC	1	<R>
IC68019		MC74HC32F	IC	1	<R>
IC68020		MC74HC4053F	IC	1	<R>
I6817S		VJS2336A028	CONNECTOR(FEMALE)	1	
L68001		VLQEL05K221K	COIL	1	
L68002,03		VLQEL05K470K	COIL	2	
L68004		VLP0054	COIL	1	
P68001		VJP2980	CONNECTOR(MALE)	1	
Q68001		2SB709	TRANSISTOR CHIP	1	(Q,R)<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R68001		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R68002,03		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R68004		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R68005		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R68006		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R68007		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R68008,09		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R68010		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R68011		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R68012		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R68013		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R68014		ERJ6GEYJ394	M.RESISTOR CH 1/10W 390K	1	
R68015		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R68016,17		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	2	
R68018		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R68019		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R68020		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R68021		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R68022		ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R68023		ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R68024		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R68025		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R68026		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R68027		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R68028		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R68029-32		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	4	
R68034-38		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	5	
R68039		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R68040		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R68042		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R68043		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R68044		ERJ6GEYJ824	M.RESISTOR CH 1/10W 820K	1	
R68045,46		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R68047		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R68048,49		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R68071-79		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	9	
R68081		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R68082		ERJ6GEYJ753	M.RESISTOR CH 1/10W 75K	1	
R68083		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
SW68001		VSS0189	SWITCH	1	<R>
X68001		VSX0420	CRYSTAL OSCILLATOR	1	<R>
X68002		VSX0119	CRYSTAL OSCILLATOR	1	<R>
X68003		VSX0097	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E1		VJS2336A028	IC SOCKET .	1	
E2		XYN26+C8	SCREW	2	
E3		XNG26E	NUT	2	

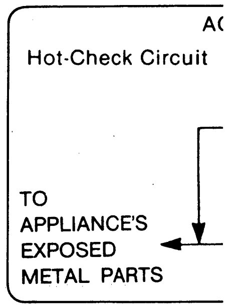
SAFETY PRE

GENERAL GUIDE

1. When servicir
dress. If a s
parts which ha
the short circu
2. After servicir
protective dev
insulation p
installed.
3. After servicin
current checks
being exposed t

LEAKAGE CURRE

1. Unplug the AC
the two prongs
2. Measure the
meter, betweer
exposed metall
such as
shafts,etc. Wh
return path
should be betw
When the expo
path to the ch



LEAKAGE CURRE

1. Plug the AC
Do not use
check.
2. Connect a 1
parallel with
exposed metal
earth ground
Figure 1.
3. Use an AC v
more sensitiv
across the resi
4. Check each e
the voltage at
5. Reverse the A
each of the ab
6. The potential
0.75 volts
(Simpson Mod
make the hot
exceed 1/2 m
outside of t
possibility o
equipment sh
before it is ret

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads connectors, control shafts,etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1M ohm and 5.2M ohm.
   When the exposed metal does not have a return path to the chassis, the reading must be

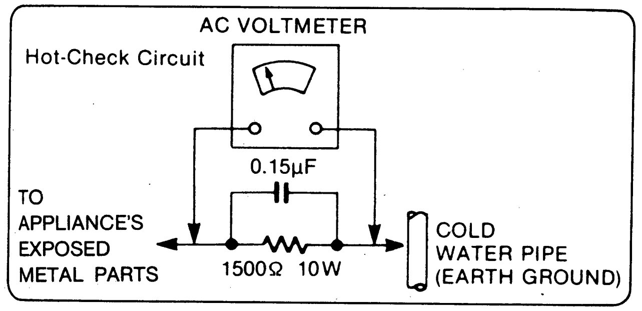


Figure 1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5k ohm, 10 watts resistor, in parallel with a 0.15uF capacitor, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ELECTROSTATICALLY SENSITIVE(ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are calledElectrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field–effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor–equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded–tip soldering iron to solder or unsolder ES devices.
4. Use only an anti–static solder removal device classified as "anti–static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon–propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package untilimmediately before you are ready to install it. (Most replacementES devices are packaged with leads eletcrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   CAUTION : Be sure no power is applied to the chassis or circuit, and observe all otner asfety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

Memo:

! Warning
This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advice non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service manual by anyone else could result in serious injury or death.

Order No. VSD9805S221
D1

Service Manual

Supplement

NTSC / PAL Video Product

Subject : Change of IC

Please use this supplement together with the Service Manual as follows :

Model No.	Bulletin No.	Order No.	Effective from
AG-F700-P	8	VSD9012M210 V23892	'97 Running Change
AG-F700-E	4	VSD9108M613	'97 Running Change

Reason for Change

☐ The following part(s) has(have) been changed for serviceability improvement.
☐ The following part(s) has(have) been changed for productivity improvement.
■ The following part(s) has(have) been changed for standardization.
☐ The following part(s) has (have) been changed for the safety regulation.
☐

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.
D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Others

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
IC68005-7	SN74LS32NSR	SN74LS32NS	IC	3	A	

SE2-07

Panasonic

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